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THIS REPORT DOCUMENTS THE PHASE I CONTAMINATION SURV WAS USED FOR DISPOSAL OF SOLID WASTES IN PITS AND TRENC 99 SAMPLES FROM 46 BORINGS WERE ANALYZED FOR VOLATIL ORGANICS AND METALS WITH SEPARATE ANALYSES FOR HG, AS, CR, CU, ZN, DLDRN, ENDRN, DIMP, CLDAN, DBCP, CPMS, AND THE SAMPLES. METAL ANOMALIES WERE ALSO DETECTED AT THE AN EXTENSIVE PHASE II PROGRAM CONSISTING OF 40 ADDIT GEOPHYSICAL INVESTIGATIONS IS RECOMMENDED TO BETTER LOC TRENCHES. THE VOLUME OF CONTAMINATED MATERIAL PRESENT CUBIC YARDS. APPENDICES: PHOTOGRAPHS, PHASE I ANALYTICAL DATA.	HES. E AND SEMIVOLATILE AND DBCP. HIGH LEVELS OF ALDRN WERE DETECTED IN SITE. IONAL BORINGS AND MORE ATE THE DISPOSAL

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LITIGATION TECHNICAL SUPPORT AND SERVICES

ROCKY MOUNTAIN ARSENAL

PHASE II SECTION 36

DRAFT FINAL SOURCE REPORTS 36-UNC, 36-3, AND 36-17

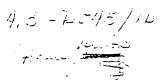
TASK NUMBER 1 (36-17)

MAY 1986

ENVIRONMENTAL SCIENCE AND ENGINEERING

PROGRAM MANAGER'S OFFICE FOR ROCKY MOUNTAIN ARSENAL





LITIGATION TECHNICAL SUPPORT AND SERVICES

PHASE II SECTION 36

DRAFT FINAL SOURCE REPORTS 36-UNC, 36-3, and 36-17 MAY 1986 FILE COPY

CONTRACT NUMBER DAAK11-84-D-0016
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Rocky Mountain Arsenal Information Center

ENVIRONMENTAL SCIENCE AND ENGROPMETGO. City, Colorado

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19950227 016

SOURCE 36-17: COMPLEX DISPOSAL ACTIVITY

1.0 PHYSICAL SETTING

1.1 LOCATION

This source is characterized by a variety of disposal practices in numerous areas with overlapping boundaries and imprecise history. This site contains both a northern and southern section and is approximately 107 acres in size (Figure 36-17-1a and 36-17-1b). For the most part disposal of solid wastes in trenches and pits has occurred. The following information has been obtained for Source 36-17:

Estimated Areal Extent = 4,685,000 ft²

Estimated Vertical Extent = 15 ft

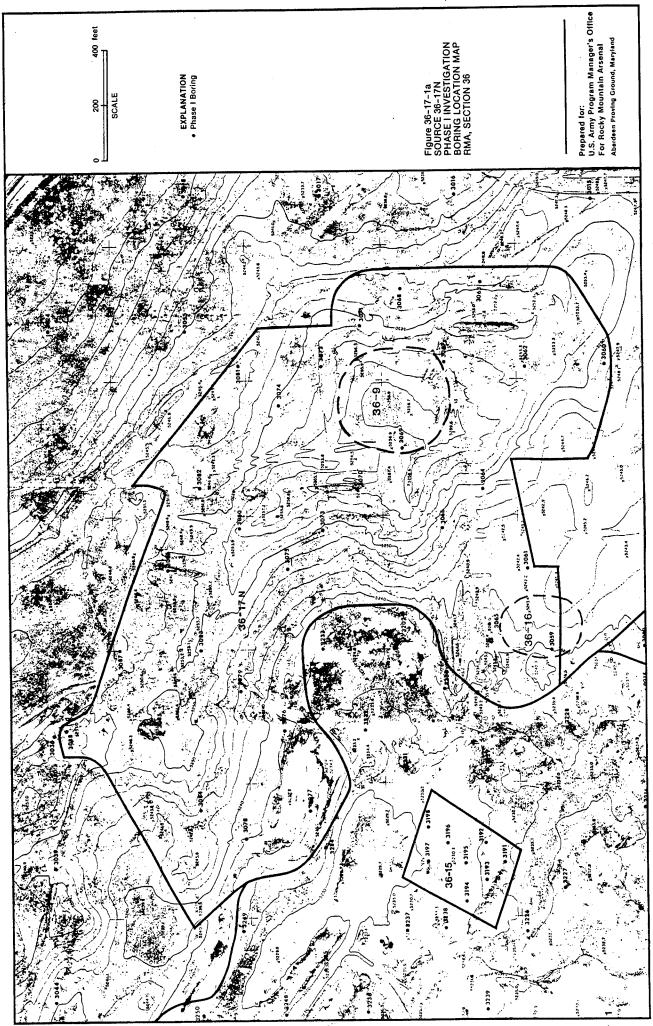
Estimated Volume = 2,603,000 yd³ (RMACCPMT, 1984)

Revised Areal Extent = 4,181,000 ft²

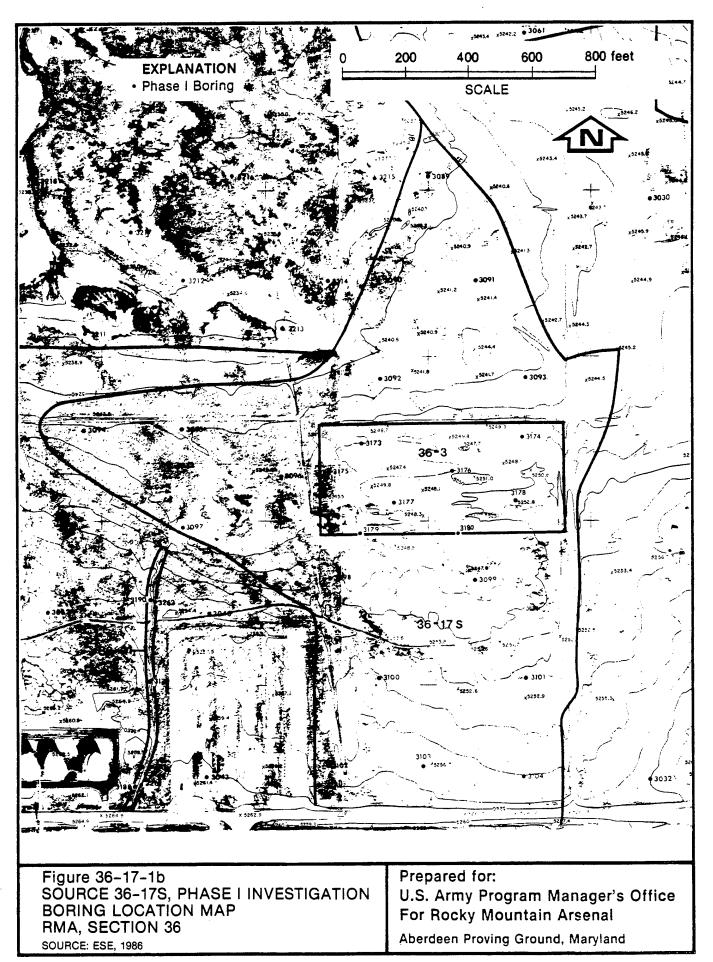
As a result of program changes the areal extent of Source 36-17 was revised. Program changes include reduction of the scale of investigation at Sources 36-9 and 36-16 which are both contained within Source 36-17N. Sources 36-9 and 36-16 were categorized as an Incendiary and Munitions Test Site and an Incendiary Burn Site, respectively. Both sources were believed to have resulted from Army activities. During Phase I, these sources were considered part of Source 36-17. The southern portion of Source 36-17 was reduced in extent due to the expansion of Source 36-3. The revised Source 36-17 areal extent is cited above. Evidence of disposal activities is clearly visible within this site. Two open trenches exist in Source 36-17N. Broken vials and other debris are found in Source 36-17S, just south of Source 36-3 in what has been referred to as the "baby bottle area". Views north and west for Source 36-17N and northwest and southwest for Source 36-17S are shown in photographs in Appendix 36-17-A.

1.2 GEOLOGY

This source, located in the eastern half of Section 36, is divided into a northern and southern sector and extends almost the entire length of



36-17-2



Section 36. The center of Source 36-17N sits on a bedrock high. Alluvial thickness beneath this site was reported at 20 to 30 ft, with the thickest alluvium closest to Basin A. This alluvium is largely silty sand. The underlying Denver Formation consists of interbedded clays, silty sand, and organic rich clays. Ground water flow is generally to the north/northwest.

Alluvium thickness in Source 36-17S was also reported at 20 to 30 ft, but the alluvium consists of interbedded clays and silty sands. The Denver Formation, as in most locations, consists of interbedded silts, silty sands, clays, and organic rich clays.

The Phase I boring program results indicate that the source is underlain by alluvial materials consisting of interbedded silts and silty sands. These materials were encountered to the depths explored in Source 36-17S, however, bedrock was encountered beneath Source 36-17N at depths ranging from 11 to 17.5 ft. Boring logs representative of Source 36-17 are presented in Figures 36-17-2 and 36-17-3.

1.3 HYDROLOGY

Surface waters from Source 36-17N may drain towards Basin A in the west and towards First Creek in the eastern portion. Surface waters from Source 36-17S drain northeastward towards First Creek from most of this site. Ground water flow is generally to the north.

The water table was encountered in eight borings, seven of which were located in Source 36-17S. A summary of the depth to water table and estimated water table elevations is presented below:

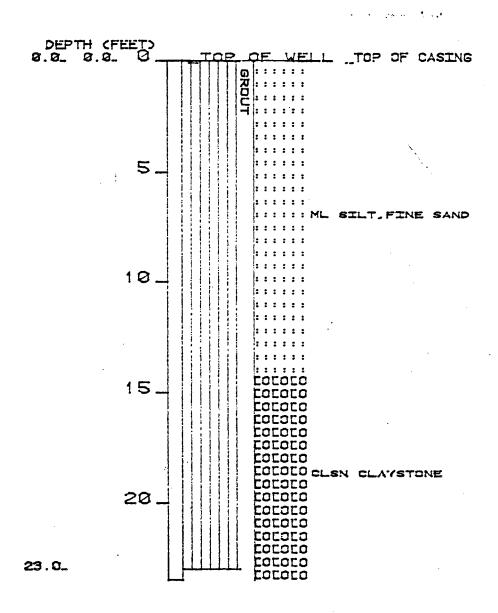


Figure 36-17-2 FIELD BORING PROFILE FOR BORING 3067

SOURCE: ESE, 1986

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

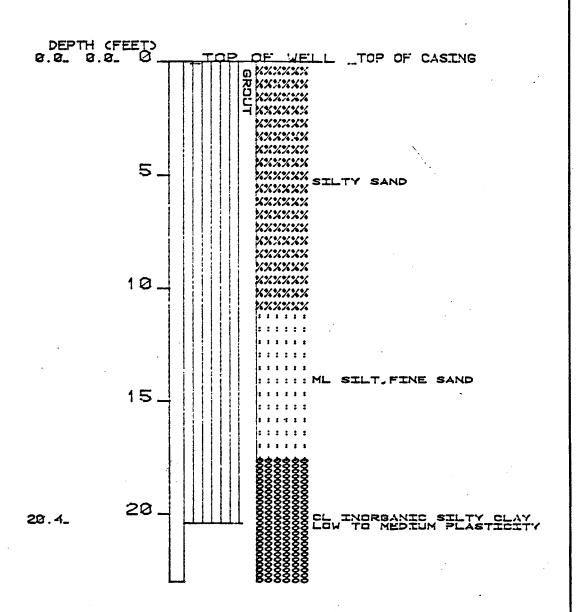


Figure 36-17-3 FIELD BORING PROFILE FOR BORING 3083

SOURCE: ESE, 1986

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

·.	Depth to	Estimated Ground
Boring	Water (ft)	Water Elevation*
3084 (36-17N)	14.5	5229.0
3090	4.5	5235.0
3092	4.0	5237.5
3093	6.0	5236.0
3094	4.0	5239.0
3095	4.6	5237.0
3097	4.0	5241.0
3098	4.5	5244.0
3099	4.0	5243.5

^{*} Rounded to nearest 0.5 ft

The estimated ground water elevations were determined using unstabilized water levels and the top of boring elevations. The data presented is in general conformance with the projections presented in the Task 1 Technical Plan.

Ponded surface water was observed directly east of Boring 3077 and south of Boring 3076. At the time of drilling there were no signs of the source of this water, however, there is a light northwest trending drainage that enters the area.

2.0 HISTORY

Disposal activity in this area was observed in the first aerial photograph of Section 36, dated 1948. Activity in this source area continued from this date through 1975. On the 1948 photo several disposal activities have been observed. In the northern portion of Source 36-17 a large bare area existed, but only two trenches were visible. In the center of this northern portion of Source 36-17, disturbances showed the existence of eight to twelve trenches. A portion of this area was used for burial of M-17 incendiary devices. The southern portion of this source remained undisturbed with the exception of activity within the Source 36-3 area where insecticides were being disposed.

The 1950 aerial photograph showed no new activity in the southern portion of this source and minimal activity in the northern portion. The site, which appeared to contain most of the trenches in 1948, appeared to be completely disturbed. The central area of the northern portion of Source 36-17 contained four round pits and four irregular dark patches which were former pools or spills.

The 1953 aerial photo showed increased trenching activity in the northern sector. One new pit and fifteen new trenches appeared in the north-northwest portion of this sector. At least two new trenches were added in the central portion of the northern sector of Source 36-17. Two new disturbed areas were also visible in the northern part of the southern sector.

The 1958 photograph showed no new activity in the southern sector, but many new trenches in the northern sector of Source 36-17. At least six new pits and fourteen new trenches appeared mostly concentrated along the western portion of this source, close to the Basin A high water mark. One large pit and several bare spots also appeared in the western portion of Source 36-17. The 1962 photo showed the addition of eleven new trenches and six new pits in Source 36-17N.

The 1975 photo showed new activities occurred in areas already occupied by previous trenches and pits. Therefore, old sites were covered and new ones were cut on a fairly routine basis. In general, half of the new trenches (about 20 trenches and several pits) in Source 36-17N were further east than the trenches apparent in the 1962 photo.

Source 36-9 was used for the testing and disposal of incendiary munitions. These munitions were reportedly ignited on the ground surface and in shallow trenches. Following burning the trenches were backfilled. The 1948 aerial photo shows activity at this site but no new activity was observed from 1950. Source 36-16 was also a primary disposal area for incendiary munitions. Many trenches and pits were observed in aerial photographs from 1948 through 1975.

3.0 EXTENT OF CONTAMINATION

3.1 SOIL

3.1.1 Previous Soils Investigations

This area did not appear to be used for pesticide disposal, based on chemical analysis of soil samples collected under the OTSG Program. Contaminants found in relatively high concentrations were copper, zinc, arsenic, and mercury. No detectable pesticides were found in soils collected from a borehole to a depth of 17 ft. However, this single sample point does not ensure that pesticide disposal did not occur in this source.

3.1.2 Phase I Contamination Survey

3.1.2.1 Phase I Soil Boring Program

The source boundaries of Source 36-17 have been slightly modified as the result of aerial photograph interpretation and field observations resulting in a revised source areal extent of 4,181,000 ft². Based on a borehole spacing of 150 ft, a total of 46 Phase I borings were completed. Boreholes ranged in depth from 5 to 23.5 ft. A borehole location map is presented in Figure 36-17-la and 36-17-lb.

Prior to commencing drilling operations, all boring locations were cleared in accordance with the surface geophysics program detailed in the Task 1 Technical Plan. A grid, 20 feet on a side was set up at each boring location and gradiometer readings were obtained at a spacing of 5 ft throughout the grid area. These data were used to produce contour plots of the vertical magnetic gradient. Based on the contour plots the boring was relocated elsewhere within the grid or left in its original location. A metal detector was then employed to determine if any metal was present in the near surface soils (0 to 2 ft) within 5 ft of the boring locations. If metal was detected the boring was relocated again and the process repeated until satisfactory results were obtained.

The geophysics program results for Source 36-17S did not indicate the presence of buried metal at any borehole locations. Both the gradiometer survey and metal detector scans were negative for buried metal.

A total of five borings (3065, 3070, 3074, 3075, and 3086) in Source 36-17N were relocated due to potential buried metal identified by the geophysical program. Two boreholes (3065 and 3070) were relocated due to anomalies present (indicative of buried metal) in the magnetic gradient plots (Figures 36-17-4 and 36-17-5). The remaining three borings were relocated due to the metal detector scans. The contour plots of Boreholes 3075, 3083, and 3086, as shown in Figures 36-17-6 to 36-17-8, display anomalies indicative of buried metal. However, these borings did require relocation due to the anomalies, because of their spacial relationship.

The sampling program at Source 36-17 consisted of 99 samples distributed as shown in Table 36-17-1. All samples were obtained using the drill rig and continuous coring method as described in the Task I Technical Plan. As explained therein, predetermined sampling intervals were established every 5 ft beginning with a 0 to 1 ft sample. In some cases field conditions such as obstructions or water table position forced some adjustment in these intervals. Extra samples were taken (Intervals X, Y, or Z) when the soil column exhibited visual anomalies. The Y interval at Boring 3086, for instance, was taken between the predetermined A and B intervals in an area where the soil column showed visual evidence of residue from burning. The chemical analysis confirmed this was probably the bottom of a burning pit for munitions disposal. All samples were subjected to analysis by GC/MS for semi-volatile organics, an ICP metals screen, and separate analyses for Hg, As, and DBCP. GC/MS analysis for volatile organics was performed on the deeper samples from selected borings.

3.1.2.2 Phase I Geophysical Investigations

Based on the complex disposal history and large areal extent of Source 36-17, a limited Phase I geophysical investigation was performed. The purpose of the investigation was to further define the approximate location and boundaries of the disposal trenches constructed in this source. Due to the lack of existing surficial evidence indicating the location of disposal trenches and pits, geophysical techniques were

Table 36-17-1. Sampling Intervals and Analytical Parameters for Source 36-17 (Page 1 of 2)

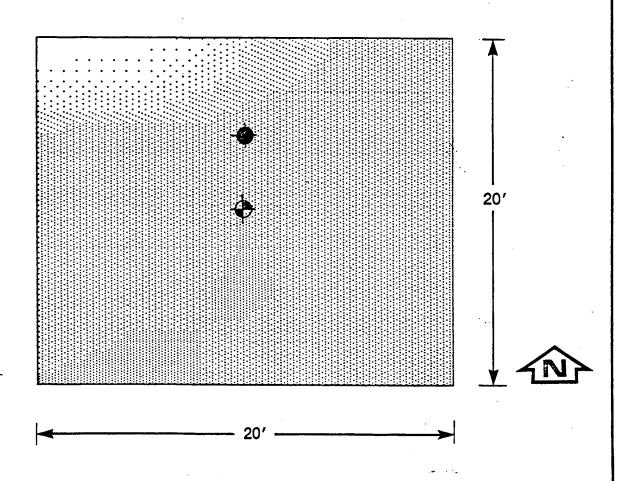
		Sampl	e Interva	1 (ft)		Analytical
Bore Number	A	В	С	D	E	Parameters
3059	0-1	4-5				*
3060	0-1	4-5				*
3061	0-1	4-5				*
3062	0-1	4-5				*
3063	0-1	4-5				*
3064	0-1	4-5				*
3065	0-1	4-5	9-10	12-13(Z)		*
3066	0-1	4-5				*
3067	0-1	4-5	9-10	14-15	19-20	*;** (E)
3068	0-1	4-5				*
3069	0-1	4-5	9-10	14-15		*
3070	0-1	4-5		,		*
3071	0-1	4-5				*
3072	0-1	4-5				*
3073	0-1	4-5				*
3074	0-1	4-5		ess vise .		*
3075	0-1	4-5				*
3076	0-1	4-5	***			*
3077	0-1	4-5				*
3078	0-1	4-5				*
3079	0-1	4-5				*
3080	0-1	4 - 5	9-10	14-15		*;** (C,D)
3081	0-1	4-5				*
3082	0-1	4-5				*
3083	0-1	4-5	9-10	14-15	19-20	*;** (E)
3084	0-1	4-5	9-10	14-15		*;** (C,D
3085	0-1	4-5				*
3086	0-1	4-5	2-3(Y)			*
3087	0-1	4-5				*

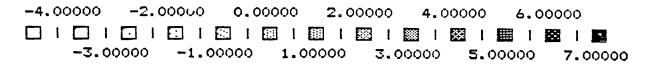
Table 36-17-1. Sampling Intervals and Analytical Parameters for Source 36-17 (Continued, Page 2 of 2)

		Sampl	le Interv	al (ft)		Analytical
Bore Number	A	В	С	D	E	Parameters
3088	0-1	4-5				*
3089	0-1	4-5				*
3091	0-1	4-5				*
3095	0-1	4-5				*
3096	0-1	. 4-5				*;** (B)
3097	0-1	4-5				*
3098	0-1	4-5				*
3099	0-1	4-5				*
3100	0-1	4-5				· *
3101	0-1	4-5				*
3102	0-1	4-5	erada Assañ			*
3103	0-1	4-5		 .		*
3104	0-1	4-5				*

^{*} Semi-volatile organics, DBCP, ICP Metals, Arsenic, Mercury (in all intervals).

^{**} Volatile Organics (in Intervals Indicated Only).



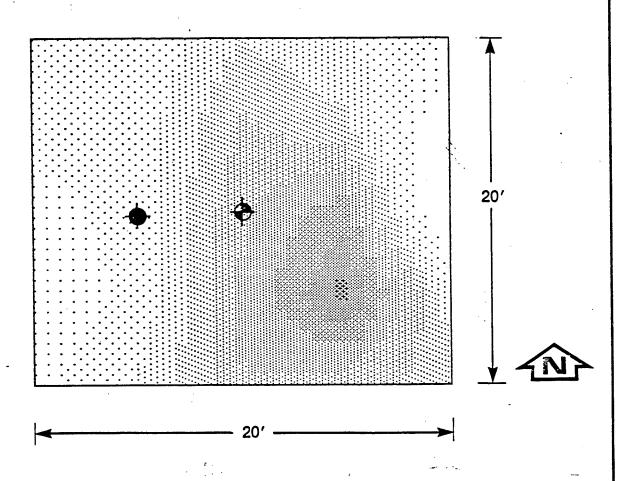


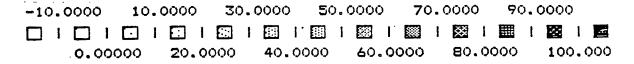
Original Boring Location Final Boring Location

Figure 36-17-4 CONTOUR PLOT OF VERTICAL MAGNETIC GRADIENT BORING 3065

SOURCE: HLA, 1986

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For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



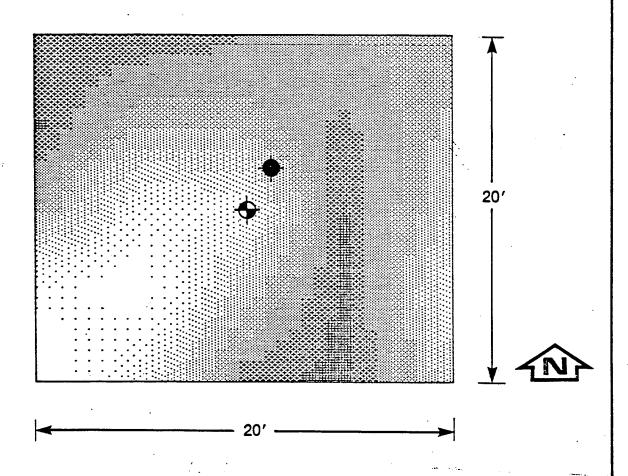


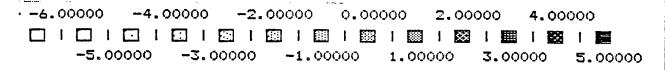
EXPLANATION Original Boring Location Final Boring Location

Figure 36-17-5 CONTOUR PLOT OF VERTICAL MAGNETIC GRADIENT BORING 3070

SOURCE: HLA, 1986

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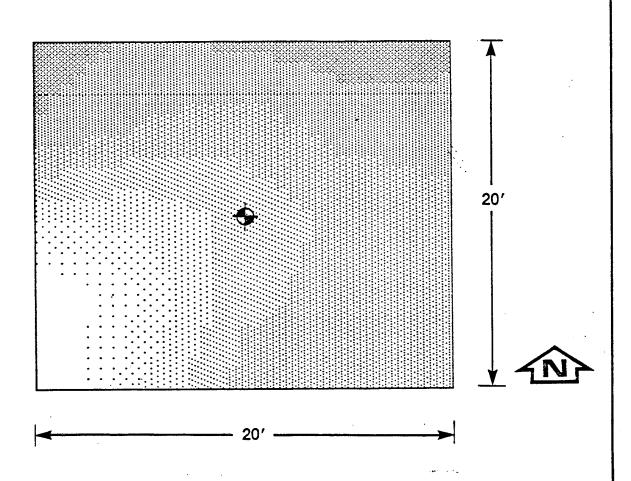
EXPLANATION Original Boring Location Final Boring Location

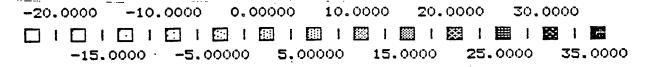
Figure 36-17-6 CONTOUR PLOT OF VERTICAL MAGNETIC GRADIENT BORING 3075

SOURCE: HLA, 1986

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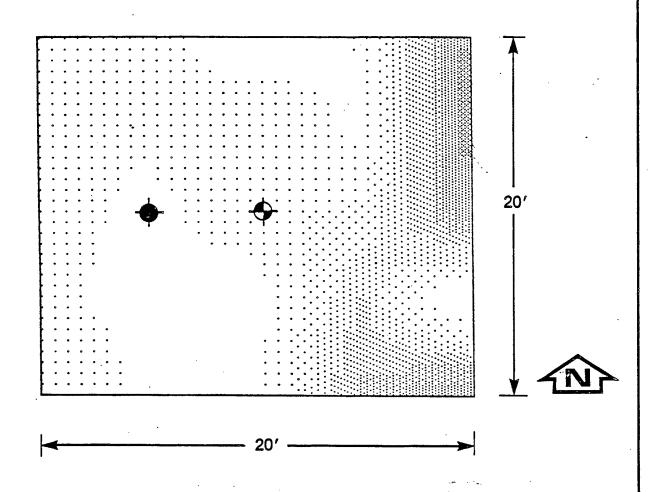
EXPLANATION Original Boring Location Final Boring Location

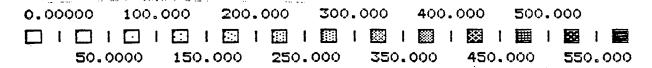
Figure 36-17-7 CONTOUR PLOT OF VERTICAL MAGNETIC GRADIENT BORING 3083

SOURCE: HLA, 1986

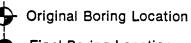
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EXPLANATION



Final Boring Location

Figure 36-17-8 CONTOUR PLOT OF VERTICAL MAGNETIC GRADIENT BORING 3086

SOURCE: HLA, 1986

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

deemed a more cost and time effective method of locating areas to be further investigated for the Phase II boring program.

The Phase I geophysical investigation was performed over a 500 ft by 200 ft area located at the northern boundary of Source 36-17N. Historical aerial photography indicates that this area was used extensively for disposal activities.

The Phase I geophysical program employed two of the methods used in the Source 36-3 geophysical program. These methods were Electromagnetics (EM) and Vertical Electrical Soundings (VES). Upon consideration of the results of the Source 36-3 investigation and time constraints, it was decided that a magnetometer survey would not be conducted at this time.

EM data was collected along transects spaced at 5 ft intervals throughout the study area. Strip chart recorders were utilized to provide continuous data along each transect. Data was compiled and input into an IBM-PC which generated contour plots of the EM in-phase component (sensitive to ferrous and non-ferrous metal).

A total of four VES soundings were performed within the Source 36-17N geophysical investigation area. VES soundings provide the electrical stratigraphy of the soils at the sounding location.

A detailed discussion of the geophysical methods employed and respective theory are provided in the document titled "Geophysical Investigation of Source 36-3, 36-10 and 36-17".

3.1.2.3 Phase I Field Observations

Portions of the area contained within Source 36-17 are significantly disturbed. There are distinct areas of severe vegetation stress along the boundary between Source 36-17 and Basin A. Also, there is a large barren area immediately south of Source 36-3 which contains numerous small glass bottles and broken glass. This area is surrounded by a small earthen berm approximately 1 ft high.

Trenches are still present in the north-central and southeast areas of Source 36-17N. Boring 3086 penetrated the northern trench and the southern is approximately 100 ft west of Boring 3063. Other indicators of disposal activities in this source include:

- o Large metal tanks (possibly reaction vessels) and dragline buckets are present on the surface 90 ft west of Borehole 3065;
- o A sunken concrete cistern approximately 6 ft deep near Borehole 3083;
- o A large mound of construction debris located near the Basin A boundary in the vicinity of Borehole 3230;
- o A shallow pit with metal debris is present southwest of Borehole 3084; and
- o Surface debris (broken glass, wood and metal fragments, construction debris) scattered about the area.

Air monitoring results varied significantly from Source 36-17N and 36-17S. HNU reading taken in the borehole annulus of Source 36-17N boreholes (3059-3088) ranged from 1 to 14 ppm whereas those taken from Source 36-17S boreholes (3089-3104) ranged from 60 ppm to 500 ppm. Boreholes with readings greater than 50 ppm were: 3089 (500 ppm from 0 to 1 ft, 400 ppm from 1 to 4 ft, 110 ppm from 4 to 5 ft); 3090 (400 ppm from 1 to 4 ft, 90 ppm from 4 to 5 ft); and 3099 (60 ppm from 1 to 4 ft and 4 to 5 ft). No above background readings were obtained in the breathing zone.

Field monitoring for chemical agents was negative at all locations. However, composite samples of Boreholes 3090, 3092, 3093, and 3094 sent to the RMA laboratory for agent screening were positive for mustard. These samples were delivered to RMA personnel for appropriate processing and disposal.

3.1.2.4 Phase I Contaminant Levels and Distribution

The northern portion of Source 36-17 appears to have been used almost exclusively for disposal and destruction of a variety of munitions.

These munitions include bursters, bombs, bomblets, incendiary devices, WP grenades, neutralized GB, and other chemical-filled munitions. Organic

contaminants expected in this source area included mustard, GB, Lewisite, and possibly surety materials other than the more common agents. UXO was also expected in some locations.

The history of Source 36-17S is somewhat less clear. The large devegetated area south of Source 36-3 shows evidence of surface or near surface disposal of numerous small glass vials. These could have been from field identification kits or laboratory operations. The area north of Source 36-3 was reportedly used for disposal of materials generated by mustard manufacturing. Anticipated contaminants at this site were pesticides, agents, and possibly UXO.

Analytical data for the Phase I boring program have been tabulated in Appendix 36-17-B. A descriptive summary of these results is presented in Table 36-17-2. Samples containing concentrations above detection limits are tabulated in Table 36-17-3 and significant values are displayed graphically in Figure 36-17-9a and 36-17-9b.

Analysis of Source 36-17 Phase I soil samples indicated the presence of DBCP, organochlorine pesticides, and organosulfur compounds, and elevated arsenic, mercury, and metals concentrations. Organochlorine pesticides observed include aldrin, dieldrin, endrin, DIMP, chlordane, and DBCP. Concentration range from slightly greater than the associated detection limits to some very high levels in isolated areas.

All samples taken from this source were tested for presence of agents by the RMA laboratory which analyzed a composite of each days samples. If positive readings were found, individual samples from each boring were analyzed to identify location. Positive readings for mustard were found in Borings 3900, 3092, 3093, and 3094. Samples from these boring were consequently not analyzed for other constituents.

Compounds which were not part of the target list (unknowns) detected during the Phase I GC/MS analysis are included in the data file presented in Appendix 36-17-B. They are identified only as UNK123, where the three

Summary of Analytical Results for Source 36-17 Analytical Data Table 36-17-2.

			Concentra	Concentrations (µg/g)		
Constituent	Number of Samples*	Range	Mean	Median	Standard Deviation	Detection Limit (µg/g)
Volatiles						
None Detected						
Semi-Volatiles			-			
Aldrin	en	1->1000	300	9	009	6°0
Dieldrin	9	0.3->499	80	6.0	200	0.3
Endrin		6.0-6.0	;	!	;	0.7
Chlordane	2	07-09	70	70	5	-
p,p'-DDE	-	3–3	t I	-	1	0.3
DIMP	5	0.7-4	. 2	2	2	0.5
PCPMS	1	0.7-0.7	!	•	1	0.3
DBCP	9	0.012-0.44	0.12	0.07	0.16	0.005
Metals						
Cadmium	12	0.70-13	3.3	1.0	4.1	6.0
Chromium	83	7.0-1,400	30	11	160	7.2
Copper	95	2.0-660	21	10	89	4.8
Lead	25	17-7,100	310	23	1,400	17
Zinc	88	24-12,000	200	39	1,300	16
Arsenic	23	4.7-29	10	6.5	7.1	4.7
Mercury	26	0.050 - 1.2	0.18	0.12	0.24	0.05
		-			,	
		-			• •	

^{*} Number of samples in which constituent was detected.

Source: ESE, 1986

3065A 1-2 Sandy Silt BKD >1000 110 111 111 111 111 111 111 111 111 3064B 4-5 Sandy Silt 2.9 BKD 1111 3064A 0-1 Slightly Sandy Silt BKD 13 11 11 35 17 1111 3063B 4-5 Slightly Sandy Silt BKD 1 1 1 1 Table 36-17N-3. Concentrations of Target Analytes Above Detection Limits in Source 36-17N Soil Samples (Page l of 6) 3063A 0-1 Slightly Sandy Silt BKD 11 20 11 1 1111 3062B 4-5 Sandy Silt BKD 1111 3062A 0-1 Sandy Silt BKD 1111 | = 4 | | | | 3061B 4-5 Sandy Silt BKD 5 26 1111 3061A 0-1 Sandy Silt 118 111 229 70 6.7 BKD 1 | 1 | 3060B 4-5 Sandy Silt 1 1 1 1 37 3060A 0-1 Slightly Sandy Silt BKD 1111 3059B 4-5 Silty Sand 16.0 BKD 1 3 1 1 2 1 3059A 0-1 Sandy Silt 16 8 27 57 7.9 0.15 BKD 2111 Semi-Volatiles (µg/g) Depth (ft) Geologic Material SOIL CREMISTRY Volatiles (µg/g) None Detected AIR MONITORING Metals (µg/g) Chlordane DIMP HNU (ppm) Aldrin Dieldrin Cadmium Chromium Copper Arsenic Mercury Bore Number Lead Zinc

Table 36-17N-3. Concentrations of Target Analytes Above Detection Limits in Source 36-17N Soil Samples (Continued, Page 2 of 6)

Bore Number	3065B	30650	30652	3066A	30668	3067A	3067B	3067C 9-10	3067D		3068A		3069
Depth (11.) Geologic Material	Silty Sand	Sandy Silt	Sandy Silt	Sandy Silt	Sandy	Sandy Silt	Sandy	Sandy	Silty Claystone	Silty	Slightly Sandy Silt	Slightly Sandy Silt	Sandy
AIR HONITORING					-								
HNU (ppm)	1	-	BKD	BKD	BKD	BKD	BKD	BKD	BKD	ВКВ	BKD	вкр	BKD
SOIL CHEMISTRY Volatiles (µg/g)				•									
None Detected													
Semi-Volatiles (µg/g)													
None Detected													
Metals (µg/g)													
Cadmium Chromium Copper Lead Zinc Arsenic Mercury	1221111	113 113 114 117 117 117	119 119	100	~	11 1 10 10 10 10 10 10 10 10 10 10 10 10	00	0.7 14 22 51	0.9 14 41 25 90	1.0 15 46 22 86	14 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 3 1 10 1	1 8 8 8 8 1 1

Table 36-17N-3. Concentrations of Target Analytes Above Detection Limits in Source 36-17N Soil Samples (Continued, Page 3 of 6)

Bore Number	3069B	30690	3069D	3070A 0-1	3070B	3071A 0-1	3071B 4-5	3072A 0-1	3072B 4-5	3073A 0-1	3073B 4-5	3074 A 0-1	3074B 4-5
Deptil (it.) Geologic Material	Silty	Silty	Claystone	Silty	Silty	Sandy	Silty Sand	Silty Sand	Silty Sand ·	Sandy	Silty Sand	Sandy	Silty Sand
AIR MONITORING													,
HNU (ppm)	BKD	BKD	BKD	BKD	BKD	BKD	BKD	BKD	BKD	BKD	BKD	BKD	BKD
SOIL CHEMISTRY Volatiles (µg/g)			•	,									
None Detected												٠	
Semi-Volatiles (µg/g)													
Dieldrin	1	!	1	į	1	į:	}		1	0.3	Ĭ.	,	1
Metals (µg/g)					•								
Cadmium	ł	!	1	1	7	1	ļ	1	1	-	!	1 3	1 :
Chromium	1	6	34	1	11	œ	!	14	10		1 6	15	07
Copper	2	∞	25	15	6	9	S	13	6	12	13	2	2
Lead	1	¦	21	}	ŀ	1	1	1;	!	£ (! r	! .	1 7
Zinc	24	35	69	42	43	28	29	39	!	7 ,).	7.45	31
Arsenic	ł	6.1	!	4.7	6.5	1 1 .	1 ;	1 1	1	5.1	1.0	;	i
Mercury	ļ	1	1	¦	!	!	90.0	ļ	1	0.08	60.0	! !	!

Table 36-17N-3. Concentrations of Target Analytes Above Detection Limits in Source 36-17N Soil Samples (Continued, Page 4 of 6)

Note													
SKD 2.6	Bore Number Depth (ft) Geologic Material	3075A 0-1 Silty Sand	30758 4-5 Silty Sand	3076A 0-1 Slightly Sandy Silt		3077A 0-1 Slightly Sandy Silt	3077B 4-5 Slightly Sandy Silt		3078B 4-5 Slightly Sandy Silt		3079B 4-5 Slightly Sandy Silt	3080A 0-1 Sandy Silt	3080B 4-5 Silty Sand
BKD S.6 2.7 2.7 <td>AIR MONITORING</td> <td></td>	AIR MONITORING												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	HNU (ppm)	BKD	BKD	BKD	BKD	BKD	BKD	BKD	BKD	ВКО	BKD	2.6	2.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SOIL CHEMISTRY Volatiles (µg/g)				7								
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	None Detected												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Semi-Volatiles (µg/g)												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Dieldrin Endrin DIMP	111	111	0.9	112	-	1 1 1	111	4	111	111	111	
tium -	Metals (µg/g)												
	Cadmium Chromium Copper Lead Zinc Arsenic	30 1	8 8 39 10.07	 12 30 30 60 60 27 0.59	10 10 8 	 9 10 23 41 11 0.20	8 9 6 8 11 3 6 8	8 5 6 1 6 1 1 8 5 6 1 1 9 8 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1891681	1 1 8 8 8 8 1 1 1 2 2 3 3 8 1 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 7 38 	1 3 6	1 9 6

Table 36-17N-3. Concentrations of Target Analytes Above Detection Limits in Source 36-17N Soil Samples (Continued, Page 5 of 6)

			•										
Bore Number Depth (ft) Geologic Material	3080C 9-10 Silty Sand	3080D 14-15 Claystone	3081A 0-1 Sandy Silt	3081B 4-5 Silty Sand	3082A 0-1 Sandy Silt	3082B 4-5 Silty Sand	3083A 0-1 Silty Sand	30838 4-5 Silty Sand	3083C 9-10 Silty . Sand	3083D 14-15 Sandy Clayey Silt	3083E 19-20 Sandy Clay	3084A 0-1 Sandy Silt	3084B 4-5 Sandy Silt
AIR MONITORING HNU (ppm)	BKD	вко	71	12		. 1.2	BKD	BKD	BKD	ВКО	BKD	BKD	BKD
SOIL CHEMISTRY Volatiles (µg/g)			•										
None Detected													
Semi-Volatiles (µg/g) DDE	ŀ	1	I	1	ł	;	ന	ŀ	1	. 1	1	ł	ł
Metals (µg/g)													
Cadmium Chromium Copper Lead Zinc Arsenic	0.00 8	1 66 18 18 18 18 19	14 115 119 119 119	113	1131511	12 8 17 48 5.7	6.9 16. 14 20 48 	1 4 5 1 1 8 6 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11	22 5 1	27 27	31 31

Table 36-17N-3. Concentrations of Target Analytes Above Detection Limits in Source 36-17N Soil Samples (Continued, Page 6 of 6)

Bore Number	3084C	3084D	3085A	3085B	3086A	30868	3086Y	3087A	3087B	3088A	3088B
Depth (ft)	9-10	14-15	0-1	4-5	0-1	4-5	2-2.5	0-1	4-5	0-1	4-5
Geologic Material	Sandy	Saturated	Slightly	Sandy	Silty	Silty	Silty	Silty	Silty	Silty	Silty
	Silt	Silty Sand	Clayey Silt	Silt	Sand	Sand	Sand	Sand	Sand	Sand	Sand
AIR MONITORING											
HNU (ppm)	BKD	BKD	BKD	BKD	50-100	BKD	BKD	1.2	BKD	BKD	BKD
SOIL CHEMISTRY Volatiles (µg/g)			£ .								
None Detected											
Semi-Volatiles (µg/g)											
DBCP	1	1	!	1	0.012	0.14	0.11	1	ł	;	.
Metals (µg/g)											
Cadmium	;	!	1	1	1.8	13	9.6	1	1	1	ł
Chromium	6	1	14	80	15	33	1400	}	œ	œ	80
Copper	9	2	17	5	27	170	099	9	1	9	5
Lead	1	;	32	ł	96 -	150	7100	1	ł	1	;
Zinc	. 34	36	65	53	112	2500	12,000	27	28	30	31
Arsenic	1	!	7.8	;	;	;	;	;	\ .	1	ŀ
Koron	1	1	200								

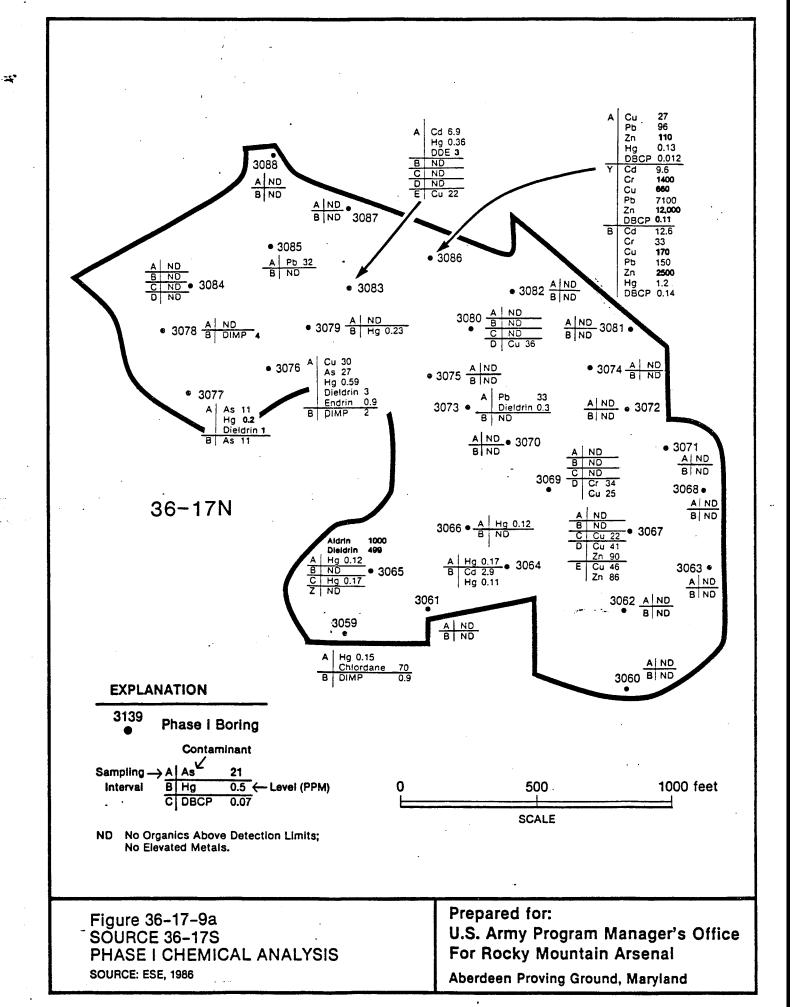
No readings above ambient background. Below detection limit. BKD

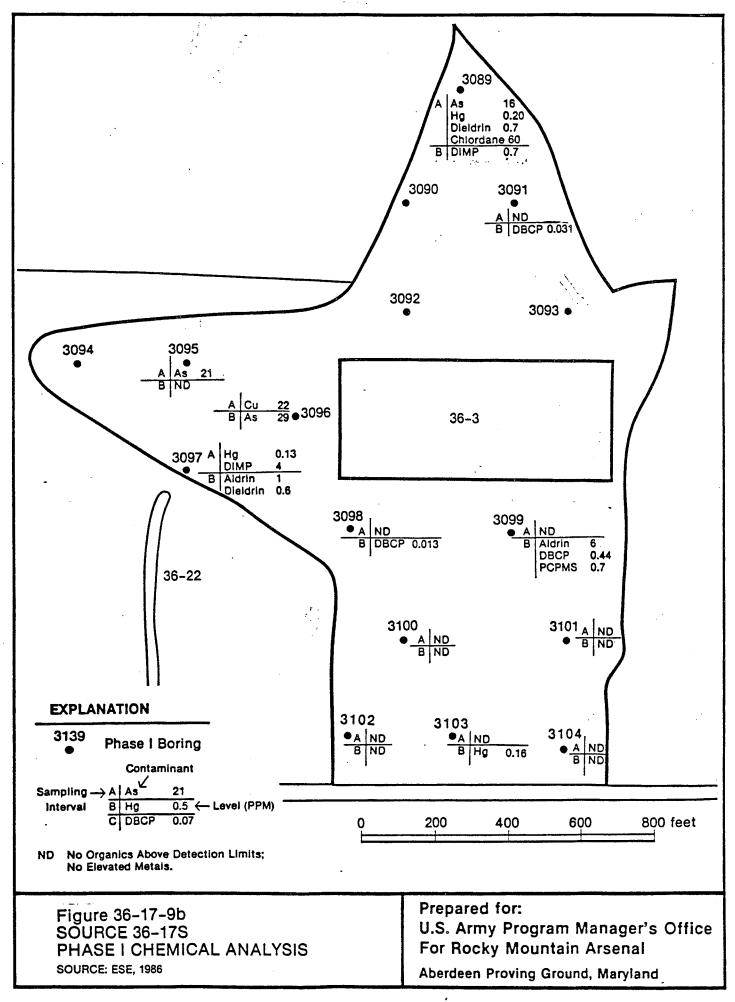
3098B 4-5 Silty Sand 22 8 8 1 43 5.4 BKD 3098A 0-1 Sandy Silt BKD 18 37 5.1 0.07 3097B 4-5 Saturated Sandy Silt BKD Table 36-175-3. Concentrations of Target Analytes Above Detection Limits in Source 36-175 Soil Samples (Page 1 of 2) 3097A 0-1 Silty Sand BKD 4 | | | 3096B 4-5 Clayey Silt 0.8 18 17 --45 29 BKD 11111 3096A 0-1 Clayey Silt BKD 116 22 22 21 71 71 71 71 3095B 4-5 Slightly Silty Sand BKD 1 1 2 1 1 1 1 1 1 | 1 | 1 | 3095A 0-1 Slightly Silty Sand BKD 3091B 4-5 Clayey Silt 0.031 BKD 39 4.9 BKD 3091A 0-1 Sandy Silt 11111 3089B 4-5 Sandy Silt 400 0.7 3089A 0-1 Slightly Sandy Silt 200 0.7 Semi-Volatiles (µg/g) Depth (ft) Geologic Material Volatiles (µg/g) None Detected AIR MONITORING SOIL CHEMISTRY Metals (µg/g) Dieldrin Chlordane DIMP DBCP Aldrin PCPMS HNU (ppm) Cadmium Chromium Bore Number Zinc Arsenic Mercury Copper Lead

Table 36-175-3. Concentrations of Target Analytes Above Detection Limits in Source 36-175 Soil Samples (Continued, Page 2 of 2)

Bore Number Depth (ft) Geologic Material	3099A 0-1 Clayey Silt	30998 4-5 Saturated Clayey Silt	3100A 0-1 Silty Sand	3100B 4-5 Silty Sand	3111A 0-1 Clayey Silt	3101B 4-5 Clayey Silt	3102A 0-1 Silty Sand	31028 4-5 Clayey Sand	3103A 0-1 Sandy . Silt	3103B 4-5 Silty Sand	3104A 0-1 Sandy Silt	3104B 4-5 Silty Sand
AIR MONITORING HNU (ppm)	09	06	BKD	BKD	BKD	BKD	ВКД	BKD	BKD	ВКВ	вкр	BKD
SOIL CHEMISTRY Volatiles (µg/g)			· .	<i>.</i>						·		
None Detected Semi-Volatiles (µg/g)										•		
Dieldrin Chlordane DIMP DBCP Aldrin PCPMS	111111	 0.44 0.7		111111	11111	11111		11111	11111	111111	111111	11111
Metals (µg/g)												
Cadmium Chromium Copper Lead Zinc Arsenic	. 14 22 47 4.8	100	171	16 15 15	18 10 26 60 6.9	%	9 13 39	==	1 32 3 1	15 14 41 0.16	21 17 17 17 17 17 17 17 17 17 17 17 17 17	

No readings above ambient background. Below detection limit. BKD





digit number is relative retention time. Library searches were run against the unknowns, and an attempt at positive identification was made as summarized in Table 36-17-4.

3.1.2.4 Phase I Contamination Assessment

The pattern of contamination observed at Source 36-17N is generally consistent with the reported history as a trench disposal area. Many of the Phase I borings encountered little or no evidence of contamination. All borings east of a line between 3073 and 3066 were free of significant contamination. This could indicate the area was not used for trench disposal. However, the data for 3086 and surrounding areas indicates this conclusion would be premature. Boring 3186 exhibited visual staining in the column, and the chemical results show the highest levels of metals found in Section 36, in addition to some DBCP. The surrounding holes exhibit little evidence of contamination. This pattern illustrates that contamination within Source 36-17 is severe in isolated areas, but large portions of the area are probably uncontaminated.

The deeper intervals of Borings 3067 and 3069 exhibit Cr, Cu, and Zn concentrations slightly above those seen elsewhere. These levels are within the indicator ranges used as representative of natural variations. This is regarded as indicative of the phenomenon discussed in the Executive Summary of elevated metals levels in shales. These deeper borings penetrated the Denver Formation, which has exhibited similar metals levels in other sources (Source 36-12).

The portion of Source 36-17N adjacent to Basin A exhibits a pattern of pesticide contamination not seen in the remainder of the area. Pesticides including dieldrin, endrin, and DIMP are prevalent in Borings 3077 and 3076, as they are in the adjacent Boring 3233 in Basin A. This would suggest a particular source of contamination in this area. DIMP is not commonly found elsewhere in Basin A or Source 36-17N.

Table 36-17-4. Tentative Identification of Non-Target Compounds in Source 36-17. (Page 1 of 9)

	identification identification identification identification		g u	Bu			82 80 C E	ification ng ng	8 u
Comments*	No positive ident No positive ident No positive ident No positive ident	In blank Plasticizer Plasticizer Plasticizer	Naturally occurring Oil	Naturally occurring	In blank In blank By-product Plasticizer Plasticizer	In blank Plasticizer Plasticizer Plasticizer	Naturally occurring Naturally occurring Oil, No positive identification Oil, No positive identification	No positive identification Naturally occurring Naturally occurring Oil, No positive identification	Naturally occurring Oil, No positive identification
Phase II Analysis Required	2 Z Z Z	ZZZZ	ZZ	z	z z z z z	2222	222 2	Z Z Z Z	zz
·· Best Fit*	No match found No good library match found No good library match found No good library match found B-p-Ts coelecite	Phthalate Phthalate Phthalate	Hexadecanoic acid Alkene hydrocarbon	Dibutyl nonanoate	Octadecenol Octadecenal Phthalate Diheptyl phthalate	Phthalate Phthalate Phthalate Phthalate	1,3 Butanediol Isobutyl butenedioate Hexadecanoic acid Hydrocarbon unknown Unknown hydrocarbon	1,3 butanediol Unknown Isobutyl butenedioate Hexadecanoic acid Alkene hydrocarbon Clg or higher	Hexadecanoic acid Alkene hydrocarbon
		_		٠.	_	·.	5	•	×-
Lot	B I B	818	MEK	MEK	B 1B	BIB	MEJ	MEJ	MEK
Sample Number Lot	505600 BIB	505601 BIB	505606 MEK	505607 MEI	. 505612 BIE	505613 BI	505618 ME	505619 ME	505624 MEI
Sample Number	505600	505601	909505		505612	505613	505618	505619	505624
Concentration Sample (ppm) Number	0.9 505600 5 0.7 2 0.6	0.4 505601 0.3 0.7 0.4	0.3 505606 1	. 1 505607	0.3 505612 0.9 0.4 0.4 0.7	0.3 505613 0.4 0.9 0.3	1 0.4 1 0.5 0.3	1 0.3 2 3 3	0.3 505624 0.6

Table 36-17-4. Tentative Identification of Non-Target Compounds in Source 36-17. (Continued, Page 2 of 9)

Interval						Phase II	
	Unknown Number	Concentration (ppm)	Sample Number	Lot	Best Fit⊁	Analysis Required	Comments*
	614	0.8	505625	MEK	Dibutyl nonanoate Bis (2-ethyl hexyl) Phthalate	ZZ	Naturally occurring Plasticizer
	542 579 609 629	0.3 0.3 2	505630	MEJ	1,3, butanediol Isobutyl butenedioate Hexadecanoic acid Dioctyl adipate	Z Z Z	Naturally occurring Naturally occurring Naturally occurring
	542 579 609 633	0.9 0.4 0.3	505631	MEJ	l,3 butanediol Isobutyl butenediate Hexadecanoic acid Alkene hydrocarbon	Z 2 Z	Naturally occurring Naturally occurring Oil, No positive identification
	596 601 604 606 612 613 621 621	20 20 20 20 10 40 100 100	505636	МЕЛ	Pentachlorooctahydromethano- cyclopropapentalene Chlorinated unknown Unknown Chlorinated unknown Chlorinated unknown Chlorinated unknown Chlorinated unknown Chlorinated unknown Chlorinated unknown		
	542 579 604 621 629	2 0.5 3.5	505637	MEJ	1,3 butanediol Isobutyl butenedioate Unknown Unknown organophosphate	zz z	Naturally occurring No positive identification Naturally occurring
	542 579 609 632	2 0.5 0.4 0.4	505638	MEJ	1,3 butanediol Isobutyl butenedioate Hexadecanoic acid Alkene hydrocarbon	ZZZ	Naturally occurring Naturally occurring Oil, No positive identification
	614 629	0.5	505672	MEK	Dibutyl nonanoate Dioctyl adipate	ZZ	Naturally occurring
	542 579 633	0.0 0.5 0.3	505642	MEJ	l,3 butanediol Isobutyl butenedioate Alkyl hydrocarbon	Z Z	Naturally occurring Oil, No positive identification

Table 36-17-4. Tentative Identification of Non-Target Compounds in Source 36-17 (Continued, Page 3 of 9)

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ļ		* * *		uo			uo uc	u
Comments*	Naturally occurring Naturally occurring Oil, No positive identification	Naturally occurring Naturally occurring Oil, No positive identification	Naturally occurring Naturally occurring Oil, No positive identification	No positive identification Naturally occurring Naturally occurring Oil, No positive identification Plasticizer	None detected Naturally occurring Oil, No positive identification	Naturally occurring Naturally occurring Naturally occurring	Lab contaminant No positive identification No positive identification No positive identification	In blank In blank Lab contaminant No positive identification In blank
Phase II Analysis Required	Z Z Z	2 2 2	Z Z Z	zzzz z	Z Z Z	22 Z 2		22 222
Best Fit*	l,3 butanediol Isobutyl butenedioate Hexadecanoic acid Alkyl hydrocarbon	l,3 butanediol Isobutyl butenediol Hexodecanoic acid Alkyl hydrocarbon	1,3 butanediol Isobutyl butenedioate Hexadetanoic acid Alkyl hydrocarbon	Unknown Hexadecanoic acid Dibutyl nonenoate Alkene hydrocarbon Bis (2-ethyl hexyl) Phthalate	Dibutyl nonanoate Alkene hydrocarbon	Diisobutyl butenoate Hexadecanoic acid Dibutyl nonanoate	Dis (2 elly) hexyl) fillingiale Tetrachloroethane No good library match No good library match No match found	Octadecenyloxy ethanol Octadecenol Tetrachloroethane No library match found
Lot	MEJ	MEJ	MEJ	MEK	МЕК	MEK MEK	BIC	BIC
Sample Number	505643	505648	505649	905650	505651	505654 505655	099505	505661
Concentration (ppm)	1 0.3	2 0.5 0.4 0.7	1 0.5 0.6	0.6 0.6 0.8	0.8 0.5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. v - 1 - 6	ଦପ ଅଅଧ
e				602 608 614 633	44	6.88 4.9	2 7 7 5 2 2	44 ON4
Unknown Number	542 579 609 633	542 579 609 633	542 579 609 633	9 6 6 6	614	579 608 614	530 542 554 554 555	614 614 530 555 614
Interval Depth Unknow (ft) Number	4-5 542 579 609 633	0-1 542 579 579 609 633	4-5 542 579 609 633	9-10 60 61 61 62	14-15 19-20 61	0-1 57 60 4-5 61	0-1 53	4-5 614 614 9-10 530 551

Table 36-17-4. Tentative Identification of Non-Target Compounds in Source 36-17. (Continued, Page 4 of 9)

* 4

Boréhole Number	Interval Depth (ft)	Unknown Number	Concentration (ppm)	Sample Number	Lot	Best Fit*	Fnase 11 Analysis Required	Comments⊁
3069	14-15	544 614		505663	BIC	1,3-dichlorobenzene-d4	ZZ	Surrogate In blank
3070	0-1	614	7	505666			z	In blank
3070	4-5			505667			Z	None detected
1071	[-0	513	8.0	505700	BIC	Trichloroethane (1,1,2)	Z	Lab contaminant
	•	530	9			Tetrachloroethane	Z;	Lab contaminant
		555 614	10 14			No library match found	ZZ	No positive identification In blank
3071	4-5	614	2.0	505701	BIC	Dibutyl nonanedioate	Z	Naturally occurring
3072	0-1	633	4.0	505706	MEL	Alkyl hydrocarbon	Z	Oil, No positive
		635	6.0			Bis (2-ethyl hexyl) Phthalate	Z	Plasticizer
3072	4-5	631	9.0	505707	MEL	Dioctyl adipate	Z	Naturally occurring
	-	273	0	505712	BID	Tetradecane	z	Hydrocarbon aliphatic
30/3	1	575		•		Heptadecane	Z 2	Hydrocarbon aliphatic
		614 618 619	~		J.F.	Octadecenoic acid Octadecanoic acid	: Z Z	Naturally occurring Naturally occurring
6)	505713	MTD		Z	In blank
30/3	4-7	573	7	11100	3			
3074	0-1	542 629 635	0.2 2 0.3	505718	MEL	l,3 butanediol Dioctyl adipate Bis (2 ethyl-hexyl) phthalate	ZZ	Naturally Occurring Plasticizer
3074	4-5	635	0.7	505719	MEL	Bis (2 ethyl hexyl) phthalate	z	Plasticizer
3075	0-1	523	1	505724	BID		z	In blank
3075	4-5			505725			z	None detected
3076	0-1			505730		··.	Z	None detected
3076	4-5			505731			z	None detected
3077	0-1	614	4	505736	BIE	Dibutyl nonanedioate	z	Naturally occurring
3077	4-5		1	505737	,		Z	None detected
3078	0-1	614	1	505742	BID	Dibutyl nonanedioate	z	Naturally occurring

Table 36-17-4. Tentative Identification of Non-Target Compounds in Source 36-17. (Continued, Page 5 of 9)

98'

Comments*	Plasticizer	Solvent	None detected	In blank	None detected	None detected	In · blank	Oil, No positive identification	Plasticizer	Plasticizer In blank	In blank In blank	Oil, No positive	Oil, No positive	Oil, No positive	Isomer of DDE Plasticizer	Plasticizer Oil Plasticizer	Plasticizer	Naturally occurring Plasticizer Naturally occurring Oil Plasticizer
Phase II Analysis Required	z		z	z	z	z	z	z	z	ZZ	z	z	z	z	z	zzz	Z.	ZZZZZ
P A Best Fit* R	Bis (2-ethyl hexyl) phthalate	Dimethoxymethane						Alkene	Bis (2-ethyl hexyl) pthalate	: Dibutyl phthalate Octadecenol	Octadecenol	Hydrocarbon C ₁₄	Hydrobarbon	Hydrocarbon	C14H8C114 Bis (2-ethyl hexyl) phthalate	Diethyl phthalate 17-Pentatriacontene Bis (2-ethyl hexyl) phthalate	Bis (2-ethyl hexyl) phthalate	Isobutyl butenoate Diethyl phthalate Dibutyl nonandioate Eicosene Bis (2-ethyl hexyl) Phthalate
Lot	BID	BIE		BIC			BIC	MEL		BIC	BIC	MEL				WEW	MEM	МЕМ
Sample Number	505743	505748	505749	505754	505755	505756	505757	505760		505766	505767	505800				505801	505802	505803
Concentration Sample (ppm) Number	8 505743	1 505748	505749	3.0 505754	505755	505756	3 505757	0.3 505760	7.0	1 505766 10 4	20 505767 5	1 505800	6.0	1	3	8 505801 0.2 1	0.6 505802	0.2 505803 10 0.8 0.5
		538 1 505748	505749		505755	505756			635 0.4			576 1 505800	580 0.9	582 1	620 3 635 1	589 8 505801 632 0.2 635 1		
Concentration (ppm)	8	-	4-5 505749	3.0	4-5 505755	9-10 505756	E	0.3		10 4	20 5	1			620 3 635 1	. 8 0.2 1	9*0	0.2 10 0.8 0.5

Table 36-17-4. Tentative Identification of Non-Target Compounds in Source 36-17. (Continued, Page 6 of 9)

orehole Number	Interval Depth (ft)	Unknown Number	Concentration (ppm)	Sample Number	Lot	Best Fit*	Phase II Analysis Required	Comments*
3083	19-20	614 629 632 635	0.4 0.4 0.4 10	505804	МЕМ	Dibutyl nonandioate Di-n-octyl adipate Alkene hydrocarbon Bis (2-ethyl hexyl) phthalate	2 2 <u>2</u> 2	Naturally occurring Naturally occurring Oil Plasticizer
3084	0-1			505806			z	None detected
3084	4-5	523		505807	BID		z	In blank
3084	9-10	513 614	0.9 2	505808	818	Toluene Dibutyl nonanedioate	z	Solvent Naturally occurring
3084	14-15	513 639	1 5	505809	BID	Toluene Bis (2-ethyl hexyl) phthalate	z	Solvent Plasticizer
3085	0-1	614	2	505812	BID		z	In blank
3085	4-5			505813			z	None deteced
3086	0-1	577 578 589 623 635	2 1 10 0.7 2	505818	МЕМ	Trichloro aniline Trichlorinated unknown Diethyl phthalate Chlorinated unknown Bis (2-ethyl hexyl) phthalate	z z	Plasticizer Plasticizer
3086	2-3	524 562 567 567 576 576 580 582 588 591 595	600 200 200 200 300 300 300 400 200 200 100	505872	MEM	Tetrachloroethane Cl3 alkane Cl4 alkane Cl3 alkane Cl5 alkane Cl4 alkane Cl5 alkane Cl5 alkane Cl6 alkane Cl6 alkane Cl7 alkane Unknown alkane Cl7 alkane Unknown alkane		0i1 0i1 0i1 0i1 0i1 0i1 0i1
3086	S- .	525 562 567 569 574 580 582	1000 90 90 70 100 100 100	-3 0581 5-	МЕМ	Tetrachloroethene Cl3 alkane Unknown alkane Cl5 alkane Cl4 alkane Unknown alkane Cl5 alkane Unknown alkane Cl5 alkane	. · · ·	Oil Oil Oil Oil Oil Oil Plasticizer

Table 36-17-4. Tentative Identification of Non-Target Compounds in Source 36-17. (Continued, Page 7 of 9)

Borehole Number	Interval Depth (ft)	Unknown Number	Concentration (ppm)	Sample Number	Lot	Best Fit*	Phase II Analysis Required	Comments*
		591 594 595 600 605 609 635	90 40 100 70 40 30			Unknown alkane C ₁₇ alkane Unknown alkane C ₁₄ alkane Unknown alkane Dibutyl phthalate Bis (2-ethyl hexyl) phthalate		Oil Oil Oil Oil Plasticizer Plasticizer
3087	0-1	637	10	505824	BID	di-n-Octylphthalate-d4	z	Surrogate
3087	. 5-4	523	2	505825	B ID		z	In blank
3088	0-1	523 614	2 1	505830	BID	Methyl octyne	z	In blank
3088	4-5	614 638	1 2.0	505831	BID	Bis (2-ethyl hexyl) Phthalate	ZZ	In blank Plasticizer
3089	0-1	609 612 614 615 637	1 0.7 1 2 0.8	505836	818	No good library match found No good library match found Octadecenol No good library match found Phthalate	Z Z Z Z Z	No positive identification No positive identification In blank No positive identification Plasticizer
3089	4-5	523 579 585 636 660	0.6 0.7 0.6 0.7	505837	81 18	Similar to 2,7-dimethyl-3,6-dimethyllos,6-dimethylene-1,7-octadiene Methyl-tricyclooctene carboxylate and Methyl benzene proponoate Phthalate	late N N N N N N N N N N N N N N N N N N N	In blank No positive identification Plasticizer Plasticizer
3091	0-1	523 532 618 633 636	0.3 0.4 0.3 0.6	505848	B 1B	Cyclohexenone Octadecenoic acid Phthalate Diheptyl phthalate	22222	In blank Solvent Naturally occurring Plasticizer Plasticizer
3091	4-5	523 579 585 633	0.3 0.4 0.5 0.4	505849	B I B	Similar to 2,7-dimethyl-3,6-dimethylene-1,7-octadiene Similar to UNK 579, lower intensities Phthalate Diheptyl phthalate	z z zzz	In blank No positive identification No positive identification Plasticizer Plasticizer

Sund

Borehole Number	Interval Depth (ft)	Unknown Number	Concentration (ppm)	Sample Number	Lot	Best Fit*	Phase II Analysis Required	Comments*
3095	0-1	579 609 629 633	0.3 0.3 0.2 0.3	505900	MEN	Diisobutyl butenediote Hexadecanoic acid Dioctyl adipate Alkene	Z Z Z Z	Naturally occurring Naturally occurring Naturally occurring Oil, No positive identification
3095	45	909	-	505901	MEN	Diisobutyl phthalate	z	Plasticizer
3096	0-1	629	1	906505	MEN	Dioctyl adipate	z	Naturally occurring
3096	4-5	635	7	505907	MEN	Bis (2-ethyl hexyl) phthalate	z	Plasticizer
3097	0-1	614		505912	BIE	Octadecenol	z	In blank
3097	4-5	538 610 614	27 T ===	505913	BIE	Dimethoxy methane		Solvent
3098	0-1			505918			z	None detected
3098	4-5			505919			z	None detected
3099	0-1	523 636 641 654	0.8 1 0.4 0.6	505924	BIA	Diheptyl phthalate Phthalate Phthalate	2	In blank Plasticizer Plasticizer Plasticizer
3099	4-5	523 547 547 636	1 2 9 1	505925	BIA	Alpha-methy-benzene methanol I-phenyl-ethanone Diheptyl phthalate	z z	In blank Plasticizer
3100	0-1	542 593 609 632 635	10 2 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	505930	HE I	1,3 butanediol Methoxy unknown Dibutyl phthalate Alkene hydrocarbon Bis (2-ethyl hexyl) phthalate	222 Z	No positive identification Plasticizer Oil, No positive identification Plasticizer
3100	4-5	544 579 608 632 635	8 16 -	505931	MEI	1,3 butanediol Diisobutyl butenoate Hexadecanoic acid Alkene hydrocarbon Bis (2-ethyl hexyl) phthalate	``. ZZZ Z	Naturally occurring Naturally occurring Oil, No positive identification Plasticizer
3101	0-1	513 636	1	505936	BIA	Toluene Diheptyl phthalate	z	Plasticizer

Table

Comments*	Plasticizer Plasticizer	In blank Solvent In blank Plasticizer Plasticizer	Naturally occurring Plasticizer Plasticizer Oil, No positive identification Plasticizer	Naturally occurring Naturally occurring Oil, No positive identification Plasticizer	Naturally occurring Naturally occurring Plasticizer Oil, No positive identification	Naturally occurring Oil, No positive identification Plasticizer No positive identification	Naturally occurring Naturally occurring Oil, No positive identification Plasticizer	Naturally occurring Naturally occurring Oil, No positive identification Plasticizer
Phase II Analysis Required	zz	z zzz	Z Z Z Z	222 Z	ZZZZ	z	222 \.	222 Z
Best Fit*	Bis (2-ethyl hexyl) phthalate Phthalate	Cyclohexenol Diheptyl phthalate Phthalate	Diisobutyl butenoate Diisobutyl phthalate Di-n-butyl phthalate Alkene hydrocarbon Bis (2 ethyl hexyl) phthalate	1,3 butanediol Disobutyl butenoate Hexadecanoic acid Alkene hydrocarbon Bis (2 ethyl hexyl) phthalate	1,3 butanediol Diisobutyl butenoate Hexadecanoic acid Dibutyl Phthalate Alkene hydrocarbon	1,3 butanediol Hexadecanoic acid Alkene hydrocarbon Bis (2-ethyl hexyl) phthalate Unknown	1,3 butanediol Diisobutyl butenoate Hexadeconaic acid Alkene hydrocarbon Bis (2-ethyl hexyl) phthalate	1,3 butanediol Diisobutyl butenoate Hexadecanoic acid B-alkene hydrocarbon Bis (2-ethyl hexyl) Phthalate
Lot		BIA	MEI	MEI	MEI	MEI	MEI	MEI
Sample Number		505937	505942	505943	505948	505949	\$05954	505955
Concentration (ppm)	3.0	0.5 0.9 0.3	0°.7 2 2 7	0.4 1 0.3 3	2 0.7 0.7 2	2 0.9 1 3	. 0.1 0.5 0.8 1	3 0.4 0.8 0.8
Unknown Number	637 654	523 527 532 636 654	579 604 609 632 635	542 579 608 632 635	546 579 608 609 632	542 608 633 635 634	543 579 608 632	548 579 608 632 635
Interval Depth (ft)		4-5	0-1	4-5	0-1	4-5	0-1	4-5
Borehole		3101	3102	3102	3103	3103	3104	3104

The southwestern corner of Source 36-17N exhibits an unusual pattern, which is also found in the northern dip of Source 36-17S (Boring 3089). Very high levels of chlordane are found in this area, in addition to dieldrin, endrin, and DIMP. Historical records show Army Source 36-16 in this area, a reported munitions disposal area. This may explain the metals found in Boring 3202 in Basin A, but does not explain the pesticides. The chemical data would indicate the many trenches and pits observed in this area were likely used for pesticide disposal. The vertical stratification of this contamination would seem to indicate surface rather than trench disposal. The metals and chlordane are only found in the surface interval. However, the 4 to 5 foot samples contained DIMP and DBCP. This may be due to weathering or migration, but could also indicate a combination of disposal methods.

Most of the data in the northern half of Source 36-17S was lost due to presence of mustard in Borings 3090, 3092, 3093, and 3094. This precluded further analysis of samples from these holes. Borings 3213, 3214, and 3215, adjacent to Source 36-17S in Basin A, show DBCP and DIMP contamination. This suggests a possible link to Source 36-17, as these compounds are not found further west in Basin A.

The central portion of Source 36-17S shows some moderate levels of arsenic in addition to pesticides. The area just south of 3603 shows fairly high levels of DBCP, PCPMS, and aldrin. This would indicate that the broken vials found in this area may have contained pesticides. South of a line between borings 3100 and 3101, Source 36-17S appears uncontaminated. This is consistent with the lack of observed disturbances in this area.

The Phase I geophysical investigation of Source 36-17N was designed to provide more information as to the location, orientation, and dimensions of disposal trenchs or pits. The EM data was contoured and interpreted to define trench or pit boundaries. The positions of large negative EM anomalies or troughs were interpreted to indicate the presence of a metal bearing trench or pit.

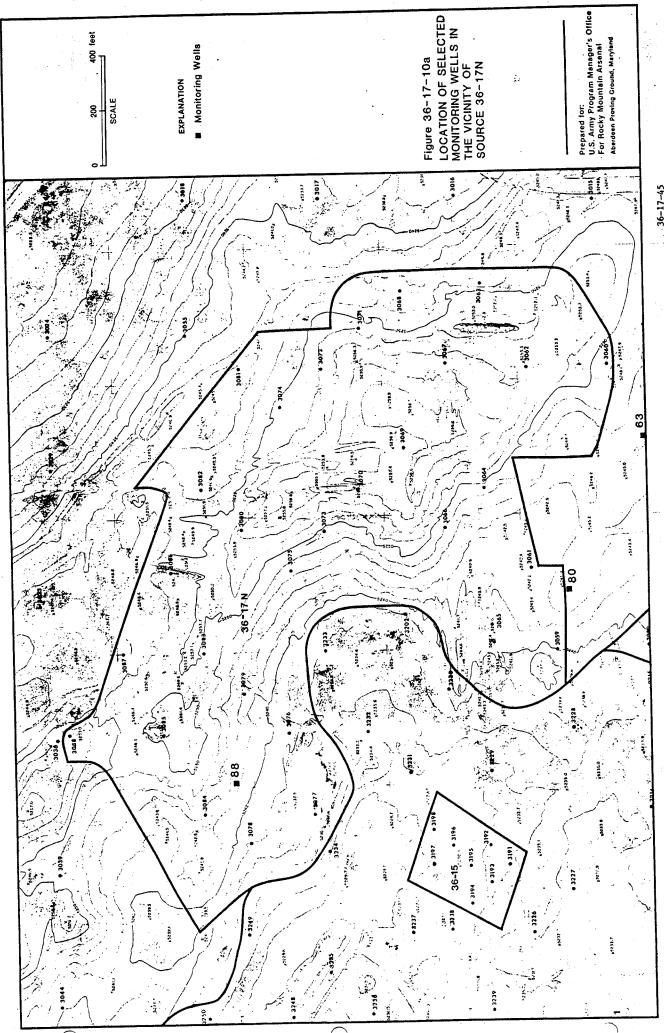
The Phase I geophysical survey resulted in the identification of four anomalies representative of disposal trenches or pits. In addition, the survey also resulted in the identification of an anomaly suggestive of a buried pipeline. Comparison of RMA Contaminant Source Maps and Plate 10 (Geophysical Investigation of Source 36-3, 36-10, and 36-17, 1986) indicates that this line is very likely the cast iron chemical pipeline originating in the North Plants and terminating at Basin A.

As no Phase I borings were constructed thru or adjacent to these anomalies the existence of these trenches and/or soil contamination has not been verified. The Phase II soil boring program will include borings in these areas to provide the requisite verifications.

Results of the VES soundings do not indicate anomalous data suggestive of grossly contaminated soils. However, they do suggest that if soil contamination does exist within the study area it is confined to an area near the existing excavation.

Ground water analytical data for the period of 1976 through 1985 were retrieved from the USATHAMA RMA data base and reviewed. The most recent analyses from each well were selected for inclusion in this report. See Figures 36-17-10a and 36-17-10b and Table 36-17-5a and 36-17-5b. In some cases, less recent data were included in order to allow comparison between two or more wells. The data have been annotated to indicate whether one or more analyses are available for each well over the period investigated, and whether target compounds were detected in determinations not included in this report. Although these data are limited in nature, they do provide additional insight regarding the interrelationship between vadose and phreatic zone contamination in the vicinity of Source 36-17.

The existing well distribution in the vicinity of Source 36-17 is suitable for an evaluation of upgradient and downgradient conditions in the alluvial aquifer, however, the parameter suits and sampling dates do not permit such an analysis in most cases. The ground water analytical



36-17-45

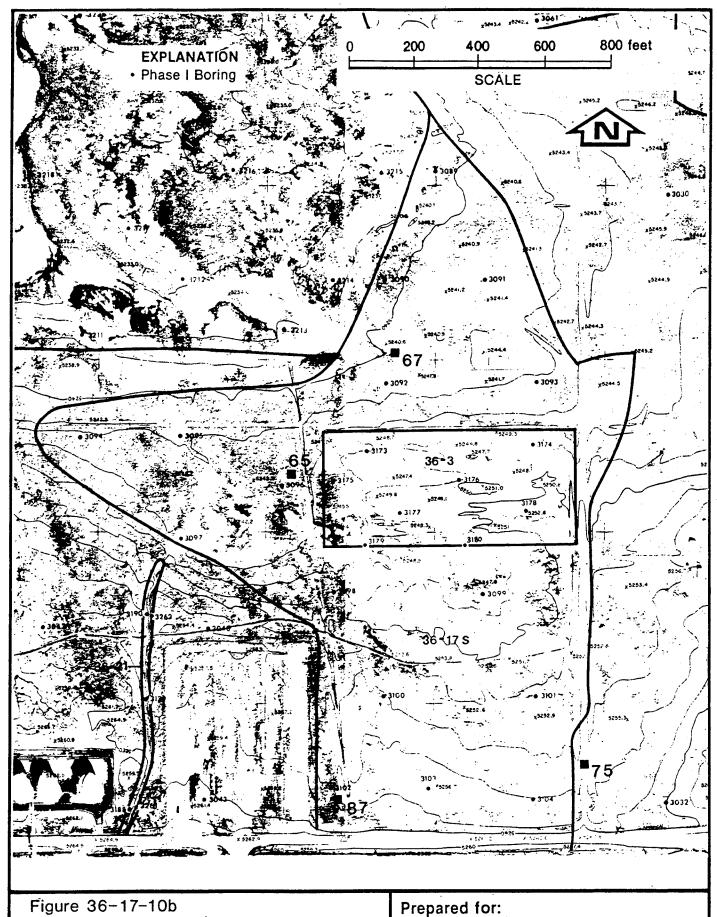


Figure 36-17-10b LOCATION OF SELECTED MONITORING WELLS IN THE VICINITY OF SOURCE 36-17S SOURCE: ESE, 1986

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

Table 36-17-5a. Selected Analytical Results for Ground Water Samples Collected Near Source 36-17N (units in µg/g or ppb)

				esignation		
Aquifer Date	63 Alluvial 79046 ²	80 Alluvial 79047 ²	84 Alluvial 79047 ²	84 Alluvial 83145 ²	88 Alluvial 79047 ²	88 Alluvial 83143 ²
Arsenic	<0.5	<0.5	0.015*	_	0.016*	
Aldrin	<1.0	<1.0	<1.0*	<0.2*	<1.0	<0.2
Dieldrin	1.54	<0.5	<0.5*	<0.2*	<0.5*	<0.2*
Endrin	0.5	<0.5	<0.5*	<0.2*	<0.5*	<0.2*
Isodrin	<0.5	<0.5	<0.5*	9.42	<0.5*	0.55
DBCP	<0.4	<0.4*	<0.4*	0.23*	<0.4*	<0.2*
DCPD	<10.0	<10.0	<10.0	<1.0	<10.0	<1.0
DIMP	2.13	7540*	11590*	13900*	*0، 129	223*
PCPMS	<5.0	<5.0	<5.0		<5.0*	
PCPMSO	<5.0	<5.0	<5.0	<20.0	<5.0*	<20.0
PCPMSO ₂	<5.0	30.9	129.0*	<20.0	<5.0	<20.0
Dithiane	<5.0	25.7*	450.0*	611.0*	. <5 . 0*	1050.0*
Oxathiane	<0.5	5.65*	196.0*	<u> </u>	92.9*	-
Carbon Tetrachloride		_	_	<1.0	_	<1.0
Chloroform		_	-	34.0		11.0
Trichloroethene				1089.0	_	1.0
Tetrachloroethene	_		_	9.0		<1.0
Benzene	_			16.0	_	11.0
Chlorobenzene		_		<1.0		<1.0
Dichlorobenzene	-			<1.0		<1.0
Toluene		_	_	<1.0		<1.0
Xylene		_		<0.1		<0.1

l One date available.

² Multiple dates available.

^{*} Positive results on other date.

Table 36-17-5b. Selected Analytical Results for Ground Water Samples Collected Near Source 36-17S (units in µg/g or ppb)

		W	ell Designation	1	
Aquifer Date	65 Alluvial 79081 ²	67 Alluvial 79080 ²	75 Alluvial 79080 ²	75 Alluvial 83119 ²	87 Alluvial 79081 ²
Arsenic	<0.5	<0.5	<0.5	_	<0.5
Aldrin	<1.0	<1.0*	<1.0	<0.2	<1.0
Dieldrin	<0.5	0.79*	0.85*	0.46*	<0.5*
Endrin	<0.5	<0.5*	<0.5	<0.2	<0.5
Isodrin	<0.5	<0.5*	<0.5*	<0.2*	<0.5*
DBCP	<0.4	<0.4	<0.4*	<0.2*	<0.4*
DCPD	<10.0	<10.0*	<10.0	<1.0	<10.0
DIMP	<2.0	<2.0*	<2.0*	<10.0*	3.4*
PCPMS	<5.0	<5.0	<5.0	_	<5.0
PCPMSO	<5.0	<5.0*	<5.0	<20.0	<5.0*
PCPMSO ₂	<5.0	<5.0*	<5.0	<20.0	13.1*
Dithiane	<5.0	<5.0*	< 5. 0	<20.0	<5. 0
Oxathiane	<5.0	<5.0	<5.0		<5.0 ¹
Carbon Tetrachloride		_		<1.01	_
Chloroform	-		_	65.0^{2}	
Trichloroethene	_	-	_	<1.02	
Tetrachloroethene		_		<1.02	_
Benzene		_	_	47.0 ¹	_
Chlorobenzene				<1.01	
Dichlorobenzene			_	<1.01	-
Toluene				<1.01	
Xylene	_	-	_	<0.11	_

l One date available.

Multiple dates available.

^{*} Positive results on other date.

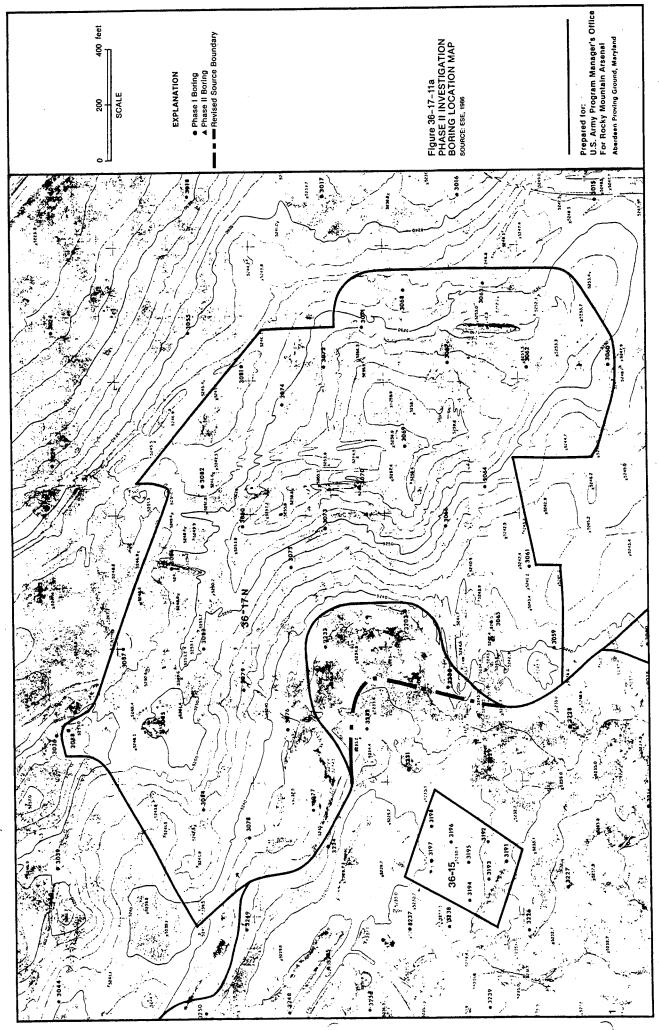
data indicate the presence of numerous contaminants in the alluvial aquifer including chlorinated pesticides, DBCP, DCPD, organosulfur compounds, aromatic solvents, halogenated aliphatic, and aromatic solvents. Although a precise determination of the source of these compounds is difficult, they are consistent with reported disposal of pesticides and herbicide process wastes and mustard in the area. Contributions of pesticide and herbicide wastes and solvents may also be derived from Source 36-3, the Shell insecticide pits.

3.1.3 Phase II Contamination Survey

3.1.3.1 Revised Phase II Program

Historical disposal activities within Source 36-17N have resulted in contamination being confined to the immediate vicinity of disposal trenches or burn pits. This resulted in Phase I chemical data which for the most part do not exceed contaminant indicator levels. The localized nature of contamination within this source area is confirmed by the soil quality data generated at Borehole 3086. Extremely elevated concentrations are present in soils contained within a former trench site, and little or no contamination is found in adjacent areas.

Based on an evaluation of Phase I analytical data, a minor modification was made to the Source 36-17N boundaries. This modification, shown in Figure 36-17-11a, is the inclusion of a small basin in the eastern portion of Basin A into the Source 36-17 area. This was based on the observation that contaminants detected in Boreholes 3233, 3202, and 3230 do not occur in adjacent portion of Basin A. Although this portion of Section 36 is a natural depression, it is at a slightly higher elevation than the main portion of Basin A. This area was also utilized for trenched disposal of materials as evidenced by interpretation of aerial photographs. Although much of the soil between Sources 36-1 and 36-17 contains contaminants which have resulted from several process boundaries of sources have been defined such that areas which deviate from recognized Basin A contaminant patterns are included within the associated portions of Source 36-17.



As contamination in Source 36-17N appears to be confined to very isolated areas, a Phase II boring program alone would provide only "hit or miss" information on the extent of contamination. It is anticipated that many of the numerous trenches observed in historical aerial photographs contain contaminated soil similar to that observed in Borehole 3086. Therefore the primary thrust of the initial Phase II program will be to use available resources to accurately locate these trenches.

Based on the success of the limited geophysical investigation of Source 36-17N, more intensive Phase II geophysical program will be implemented map areas that most likely contain disposal trenches. The Phase II geophysical program will employ both EM and magnetometer methods. The entire area of Source 36-17N will be covered by transects spaced at 10 foot intervals. EM and magnetometer data will be collected on transects and spaced at 20 ft, but offset 10 ft from each other (e.g., EM data will be obtained at lines 0, 20, and 40 ft and magnetometer data at 10, 30, 50 ft). This provides continuous data collected along transects spaced at 10 foot intervals.

A detailed Phase II soil boring program for Source 36-17N will be formulated at the conclusion of this geophysical program. Areas that exhibit anomalies suggestive of disposal trenches will be thoroughly investigated by Phase II boring. For budget estimation and manpower requirement purposes, a proposed Phase II boring program is presented below:

Number of Borings	Depth (ft)	Number of Samples
10	20	50
20	10	60
10	5	20
40		130

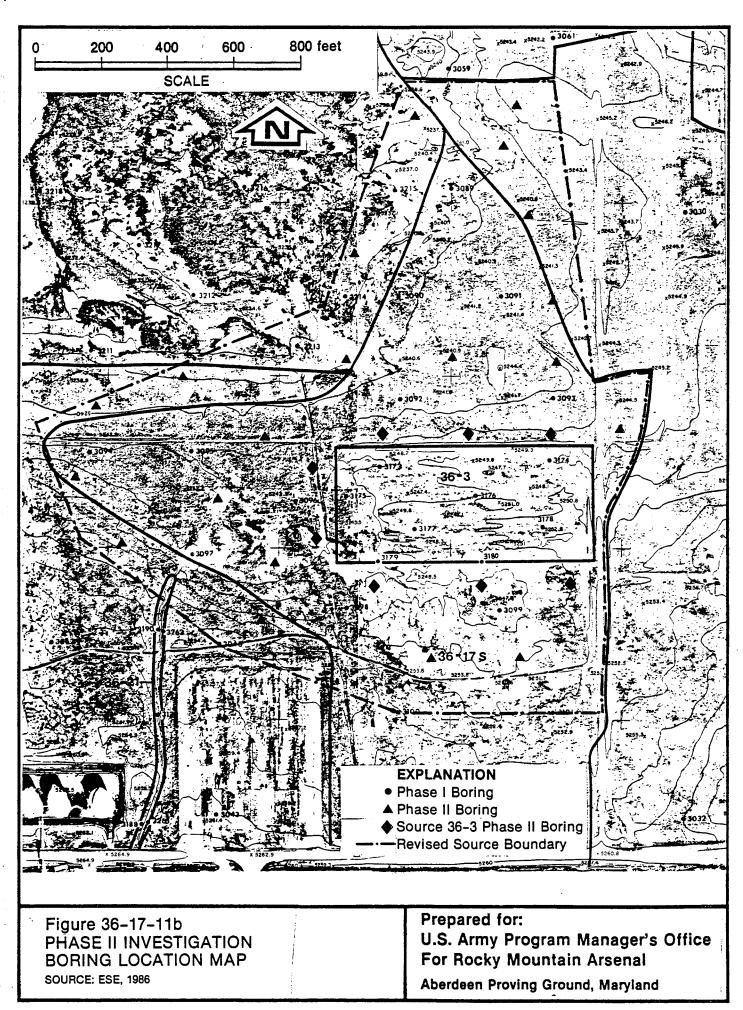
Sampling intervals are assumed to be the same for Phase I, that is 0 to 1, 4 to 5, 9 to 10, 14 to 15, and 19 to 20 ft.

The analytical program for Source 36-17N is summarized below. This is only an estimate and is based on the assumption that borings in the northern half of the site (half of the sample total) will be analyzed for the Phase I contaminants and in the southern half will be anlayzed for specified compounds. This assumption is derived from a better understanding of the contaminants in the southern area. Volatile organics will be performed on approximately 10 percent of the sample population.

Analytical Method	Number of Samples
Semi-Volatiles	65
Volatile Organics	13
Metals	130
Organochlorine Compounds	65
Organocsulfur Compounds	65
Arsenic	130
Mercury	130

Following the evaluation of analytical data generated by the Phase I investigative program the boundaries Source 36-17S were also revised. These revisions, shown in Figure 36-17-11b were significant for the southern, western, and northern borders of this area. As no contaminants were detected in significant concentrations in the southern portion of Source 36-17S (Boreholes 3102, 3103, and 3104) this area has been deleted from the Phase II investigation. The revised southern boundary is located through a line connecting Phase I Boreholes 3100 and 3101 as well as "uncontaminated" Borehole 3040 none of which detected contaminant compounds.

The western edge of this source area has been modified to include the area south of Borehole 3097 where DIMP and pesticides were detected and to meet with the revised boundaries of Basin A (Source 36-1) in this area. The exact location of the source boundary in this region is uncertain due to the loss of samples from Borehole 3094 as a result of the presence of mustard. The northwest edge of Source 36-17S has been modified to include an area formerly included in Source 36-1. The reason



for this reallocation of this area is the presence of DIMP, organosulfur compounds, and DBCP in Boreholes 3213, 3214, and 3215, which is uncharacteristic of contaminant trends in adjacent portions of Basin A. Again the exact location of this portion of the Source 36-17 boundary is questionable due to the loss of samples from Boreholes 3090 and 3092 as a result of mustard contamination.

The final alteration in the boundary of this source area is in the northeast section. Contaminants detected in Boreholes 3089 and 3059 (Source 36-17N) have caused revisions of the source boundary to connect these two areas. An area of significant vegetation stress in this location is now included within the Source 36-17 boundary. The two portions of Source 36-17 will remain separate even though they are contiguous. The area of this source may be redistributed or subdivided based on Phase II results.

To aid in disposal trench location a geophysical program will be performed directly north of Source 36-3. The techniques utilized and the program design will be the same as for those in Source 36-17N. The results of the Phase II geophysical program will be combined with the results of aerial photograph interpretation and field mapping of surface expressions to design the Phase II soil boring program. As samples from four boreholes in the source area were not analyzed due to the presence of mustard, geophysics and field mapping may be the only method of estimating volumes of contaminated soil unless chemical analyses can be performed at some location on mustard contaminated soils.

The Phase II soil boring program for Source 36-17S will be finalized after geophysical studies are complete. A Phase II program has been proposed for estimation purposes. The exact locations of boreholes and sampling intervals may be altered prior to development of the final Phase II plan.

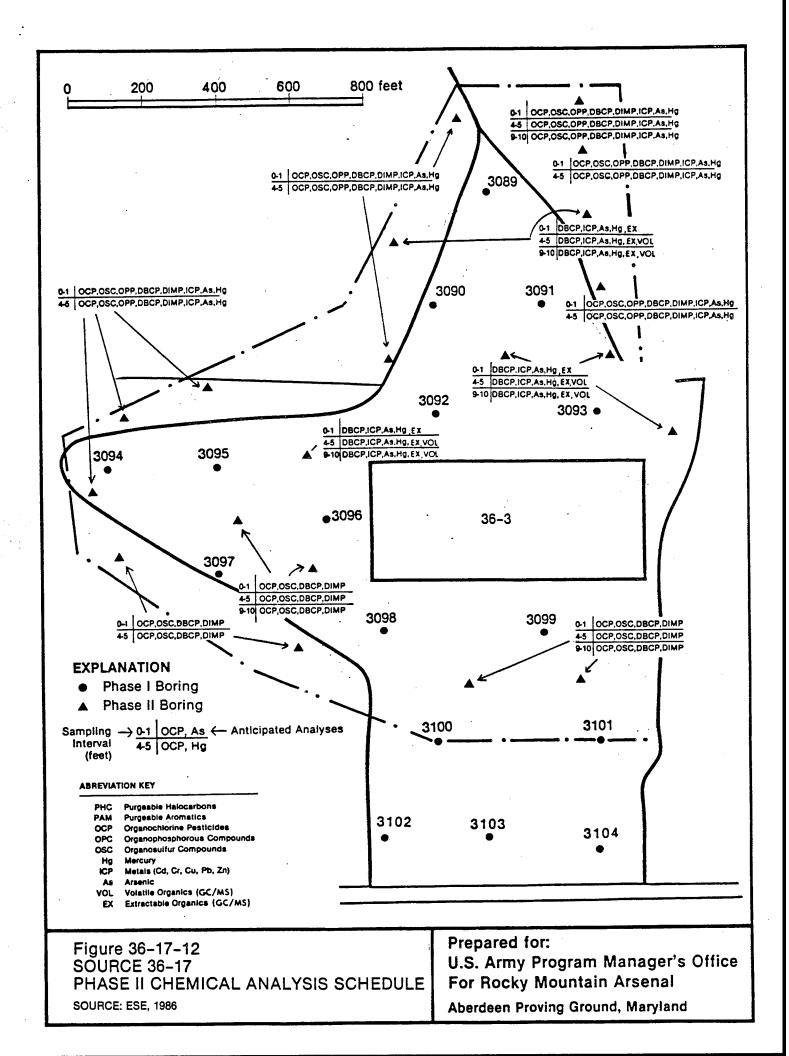
Source 36-17S Phase II soil sampling plan is shown in Figure 36-17-11b. Eight boreholes proposed adjacent to Source 36-3 are part of the Phase II program for Source 36-3 to define the areal extent of contamination for this source. Modifications of the Source 36-3 boundary will not be made until completion of the Phase II investigation due primarily to lack of data directly north of this source (mustard contaminated soils not analyzed). The Phase II program consists of the construction of 200 soil borings. Sampling intervals will be 0 to 1, 4 to 5, and 9 to 10 ft. Of the 20 remaining boreholes anticipated for this source 9 will be to depths of 5 ft, and 11 to depths of 10 ft.

Number of Borings	Depth (ft)	Number of Samples
11	10	33
9	5	<u>18</u>
TOTAL 30		51

The analytical schedule for this source area is listed below. The lack of chemical data in certain portions of this source area necessitates a repeat of the Phase I analytical schedule. Samples to the north of Source 36-3 will be analyzed for a full range of analtyes. Samples from the six borings south and west of Source 36-3 will be tested for organochlorine pesticides, DBCP, DIMP, and organosulfur compounds (see Figure 36-17-12).

Analytical Method	Number of Samples
Organochlorine pesticides	35
Organosulfur Compounds	17
DBCP	51
Metals	35
Organophosphorus Compounds	33
DIMP/DMMP	33
Arsenic	51
Mercury	51
Volatile Organics	12
Extractable Organics	18

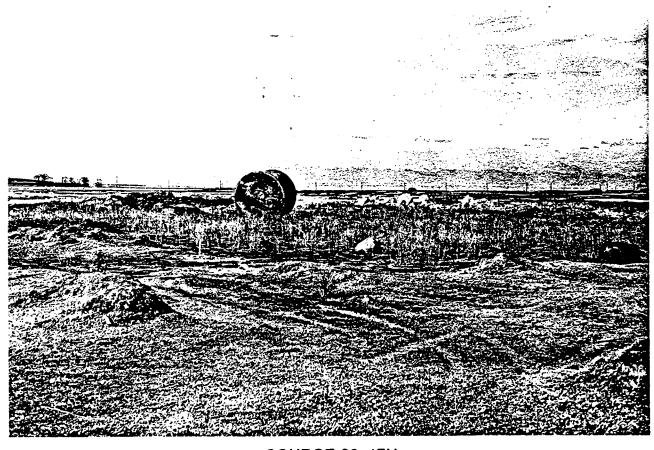
Based on Phase I chemical analysis results, it is anticipated that all Phase II investigations in Source 36-17 will require use of full Level C Protection.



APPENDIX 37-17-A



SOURCE 36-17N View North



SOURCE 36-17N



SOURCE 36-17S View Northwest



SOURCE 36-17S View Southwest

APPENDIX 36-17-B

		3063A 30638 505629 505625	98	1346 1358 -	80 50	271 0	ACRE BORE	RK 3K	S	5.6 5.3	<0.5 <0.5	11 9	6 07	91> 91>	82> 49	2*5>	<0.03 <0.03	<0.500 <0.500	60,4600 <0.508	45.00 <2.00	(4.00 <4.19	06.60 <5.10	
	RGDOLL	30628 505519	30628 505519 06/27/85	01	20	122	BORE	A.	S	4.5	<0.5	12	=	×16	37	?*\$ >	<0.0>	<0.500	009°C>	<2.60	<4.00	00*9>	0 95 ° 9 >
	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDOLL	3062A 505618	3062A 50561 06/27/3	•	SO	0	BORE	RK	S	1.5	<0.5	11	14	91>	<28	<5.2	<0.07	<0°200	<0.00	<5.00	<4.00	00*9>	00.5.00
STATUS: PRELIMINARY	HE SECTION NAGER: BILL PLEADER: G	NUMBERS 30618 2 505613	3	13	. S0	. 122	B08E	RK	S	1.9	6.0>	<₽	2	41)	92	(4.7	<0.0>	006*0>	<0.300	<0.400	<6.700	<1.00	<0.300
STATUS: A	PROJECT NAPPROJECT NAP	SAMPLE 3061A 50561	3061A 50561 6/25/85	11	OS -	•	BORE	æ	S	2.5	<0.0	1.8	11	59	. 10	6.7	<0.0>	006*0>	<0.360	004*0>	<0.700	<1.00	<0.300
		30608 505607	90	13	ė	721	BORE	RX	S	3.3	<0.5	Ö	•	91>	3.7	<5.2	<0.0>	<0.500	<0.09-0>	<2.00	00*4>	00*9>	<0.500
01/11/86		3060A 505606	3060A 505606 06/27/85	1301	S	0	BORE	¥	S	1.1	<0.5	±	15	416	39	<\$.2	<0.0>	<0.500	009*0>	<5.00	***	00*9>	<0.500
		=																					
			30598 505601 6/25/65	13		221	BORE	æ	S	1.9	<0.0>	10	\$	417	32	<4.7	<0.0>	006*0>	<0.300	00,*0>	<0.700	<1.00	<0.300
INEERING	IDO IAPLES: ALL	3059A 505600	3059A 505600 6/25/85 6/	1241 13	20	0	BORE	RX	s	9.2	6.0>	7 7	•	17	51 12	1.9> <4.7	0.15 <0.05	006*0> 006*0>	<0.300 <0.300	00,*0>	<0.700 <0.700	70.1 <1.00	
ENVIRONMENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 36174 PARAKETERS: ALL SAMPLES: ALL		3059A 505600 6/25/85 6/	1241 13	20		RE				1026 <0.9	99584 16	1043 6			1003 7.9	11921 0.15	•	98365 <0.330	-			98363 <0.300 <0.300

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01/11/86

SAMPLES: ALL PROJECT NUMBER 84936300 FIELD GROUP: 3617H PARAHETERS: ALL SAMPI

TIME

STATUS: PRELIMINARY

<0.00 30638 505625 <0.3.10 <2°00 <3.530 <2.00 60.6> (6,339 <1.00 \ < 3.539 <.).93ü <3.00 06/27/85 <3.00 **66.00** <0.00 <0.500 005.0> <3.00 00.7> Ž <2.00 < U. 600 <2.00 c0,300 <1.00 ž ₹ Z 06/27/85 <1.00 3063A 505624 30628 505619 036.3> 1009 <3.C0 <2.60 <0.09.0> <2.00 00.9> <0.005 <1.00 <0.509 <3.60 00.5> Ž 06/27/65 <0°300 <1.00 c0.300 PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDOLL **<2.**00 Z 956 <3.00 <0.300 ***6.600** 00.9> <1.00 <0.500 <0.900 <3.00 06/27/85 <1.00 <2.00 <2.00 ĭ ¥ 3062A 505618 <0.00> <0.300 <0.300 <0.700 <2.00 <0.700 <0.60 <0.300 <0.500 ž 1340 <0.300 <1.00 <0.300 <0.000> <0.400 SAMPLE NUMBERS 3061A 3061B 5C5612 505613 <0.500 <0.300 6/25/85 <0.700 <0.500 <6.700 1330 <0.500 <0.300 009-0> <0.300 <0.300 <0.300 <0.300 <00*****3> <2.00 ž <1.00 <0.00> 6/25/85 <0.300 <2.00 <0.600 <2.00 <6.00 <0.000 <0.300 <1.00 <0.500 <0.900 <3.00 <2.00 30608 505607 06/27/85 1313 <1.00 ž ¥ Z Z ¥. 306 CA 5056 C6 <3.00 <0.300 <1.00 <2.00 <0.600 00.9> <0.00 <0.300 <1.00 **c0.500** <3.00 **65.00** ž ž ž ¥ 06/21/85 <0.900 1301 <0.700 ₹ 1300 <0.300 <1.00 ***009*0>** <0.300 <0.00> <0.700 <0.500 ¥ ¥ 30598 505601 146-0 <0.300 <0.300 <0.300 <0.400 <2.00 ¥ ĭ 6/25/85 <0.300 <0.700 <0.500 009-02 <0.300 <0.00 <0.300 c0.400 <0.100 <0.500 <2.00 £ ¥ ¥ 3059A 505600 <0.300 **<1.**00 <0.300 \$125/85 98686 P-CLPHENTLHETHYSULFD 98654 NETUG/G-D) OARRAZINE (UG/G-D) OARRAZINE (UG/G-DRY) 98655 98658 98660 98682 98683 98848 98649 98656 99966 98646 19986 98650 98651 98652 98653 98657 19986 STORET # HE THOD DICYCLOPENIADIENE (U G/6-DRY) DBCP(NEMAGON) (UG/G-EFY PARATHION (UG/G-1,2-DICHLGKOETHANE LUG/G-DRY) BICYCLOHEPIADIENE CUG/G-DRY) HEXCLCTYPENDI (UG/G-HALATHION (UG/6-DRY) OKY) P-CL PHENYLNE INYSULFI CARBON TETRACHLORIDE (UG/G-DRY) 1,4 DITHIANE (UG/G-(UG/G-DRY) U6/6-DR13 1.1-DICHLORDETHANE (UG/G-DRY) ISOORIN (UG/G-DRY) SUPONA (UG/6-DRY) DICHLORVOS, (UG/G DNNP (UG/G-ORY) DINP (UG/G-DRY) CHLOROBENZENE CHLOROFORM PARANETERS

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FIRE

ENVIRONMENTAL	ENVIRONMENTAL SCIENCE & ENGINEERING	NEERING		98/11/10		STATUS: PRELIMINARY	EL IHINARY				
PROJECT I FIELD GRI PARAMETE	PROJECT NUMBER 84936300 FIELD GROUP: 36174 PARAMETERS: ALL SAMPL	6300 SAMPLES: ALL			A B L	DJECT NAME DJECT MANA ELD GROUP	SECTION GER: BILL LEADER: GE	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BLRGDOLL	21005		•
PARAMETERS	STURET #	3359A 505600	3059B 505601	3060A 505606	30608 505607	SANPLE NUNBERS 3061A 3061 505612 5056	NBERS 30518 505613	3062A 505618	3062B 565619	3063A 505624	10638 535625
DATE	METHOD #	915219	915219		06/27/85	06/21/85 06/21/85 6/25/85	6125185	591121199	06/27/85	26/12/182 28/12/182 28/12/182 28/12/182	2877.77.85
TINE		1243	1300	1301	1313	1330	1340	956	1009	. 1346	1358
UNK619 (UG/G)		4 0.605									
UNK637 (UG/G)			* 0.707	•			A 0.867				
19/91) 19/9 3	90113		4 0.375				A 0.438				
UNK631 (UG/G)						A 0.375					
UNK636 (UG/G)	9800k (A 0.713					
UNK641 (UG/G)							A 0.311				
UNK530 (UG/G)	90619										
UNKS54 (UG/G)											
UNKS55 (UG/G)	16006 (
	•										

		. C		133	3.0	~	41	¥.	s	6.	1.1		72	s.in	ič	?	~	=	ρŗ	·2	22	ng.	2	
		3061C 593659	06/27/85			27%	3356			6						5.65	11.00	(6,51)	<9.5	(2,36	(4.13	68.13	(0.539	(65.63)
		30673 505649	06/27/85	132	98	122	BCRE	R	S	3.4	<6.3>	0.1	6	<16	42¢	<5.2	40.07	005.0>	<0.600	45.00	00•4>	€6.€3	<0°264	075-6>
	11009	3067A 5u5648	06/21/85	115	Sü	5	BUKE	ЯЯ	S	2.9	<0.0	10	. 11	<16	34	<\$.2	69.0	<0.500	<3.505	69*2>	07.4>	0)*9>	<0.500	60.500
	ON 36 RMA IL FRASER GEISZLER/BERGOOLL	30668 505643	06/26/85	1115	36	122	RORE	X	S	5.6	<0.5	Ç	1	416	<28	<5. 2	<0.07	ñ05•0>	<0.600	<2.00	90.4>	00*9>	<0.500	005.00
EL ININARY	CT NAME SECTION CT MANAGER: BILL GROUP LEADER: GE	NUMBERS 3066A 8 505642	06/26/85	1059	Su		BORE	æ	S	7.6	<0.5	01	12	<16	429	<5.2	0.12	<0.500	009*0>	00*7>	<4.00	00*9>	<0.500	.0500
STATUS: PRELININARY	PROJECT NAME PRUJECT HAN FIELD GROUP	SAMPLE NI 3065C 505638	06/26/85	1414	80	714	BURE	& **	S	14.7	<0.5	14	13	<16	33	49. 5	0.17	<0.500	009*0>	<2.00	00.4>	00*9>	<0.500	70.500
	22.2	30658 505637	06/26/85	1358	SO	122	BURE	¥	S	8.6	<0.5	11	0.1	416	428	<5.2	40.07	<0.500	009*0>	<2.00	09*\$>	00-9>	<0.500	000
98/11/10		3065A 505636	06/26/85	1340	SO	0	BCRE	&	S	16.3	<0.5	10	11	416	92>	<5.2	0.12	>1000	>499	<20.0	0.00>	(*09>	<5.00	00 37
		30648 505631	99/92/90	1031	20	122	BURE	æ	S	3.4	2.9	10	60	<16	<2 B	<5.2	0.11	<0.500	009*0>	<2*00	******	00°9>	<0.500	0.3.0
ING	=	3064A 505630	06/26/85	\$101	20	9	BORE	æ	S	7.4	<0.5	13	==	416	35	45. 2	0.17	<0.500	<0.600	<2.00	<4. 00	<6.00	<0.500	9
NEES	O PLES: A	200	2/90																					
ENVIRUNHENTAL SCIENCE & ENGINEERING	PRUJECI NUMBER 84936300 FIELD GRUUP: 3617W PARAHLIERS: ALL SAMPLES: ALL	30. Storet # 50	NETHOD # 06/2		66671	99158	99159	02166 0	12005 1	0 0 10320	920T	99566	1043	LEAD, SED (UG/G-DRY) 1052	ZINC, SED (UG/G-DRY) 1093	1003	ñ2611	ALDRIN, SED (UG/G- 93356	39896	94364 94364	69886	CHLUKDANE, SED(UG/6- 9836)	9836 <u>3</u>	

		3057C 505650	66727735	753	<3.09	<0.130	\$1.JC	<2.39	60.538	00.≤>	<6.39	<0.05	<]• 3 -9-0	<1.30	<8.599	S.C.60	*•00</th <th><2.33</th> <th>66,433</th> <th><u-< th=""><th><0.730</th><th>(3.530)</th><th>66.4.33</th><th>€0°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°</th></u-<></th>	<2.33	66,433	<u-< th=""><th><0.730</th><th>(3.530)</th><th>66.4.33</th><th>€0°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°</th></u-<>	<0.730	(3.530)	66.4.33	€0°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°
		30678 505649	96727785 FS	132	<3.00	<0.300	<1.00	90*2>	039.0>	00*2>	46.05	<0.00	<0.300	<1.00	<0.500	306 . 0>	43. 86	<2.00	**	K.A	4	4 2	¥×	æ Æ
	1101	3067A 505648	06/27/85	115	<3.00	<0.360	39*1>	<2.00	099*3>	<2.00	00.6>	<0.00	<0,306	<1.00	<0.500	398*0>	<3.00	¢5*63	4	N A	NA	W.	N.A.	*
	ION 36 RMA ILL FRASER : GEISZLER/BERGDOL	30668 505643	0 68785790	1115	<3.00	<0.330	cl. üu	3C*Z>	009*0>	42.56	*6. 00	<0.00	<0.300	<1. 00	<0.500	006*0>	<3.00	65.00	Z.	¥.	4	K.A	e Z	¥ Z
PRELIMINARY	SECTION 3 SER: BILL F ENDER: GET	NUMBERS C 3066A 38 505642	06/26/85	1059	<3.00	<0.300	<1. 00	65.00	009*0>	<2.00	00*9>	<0.00	<0.300	<1.00	<0.500	006*0>	<3.00	00*7>	¥ Z	æ Z	¥ Z	*	¥	KA
STATUS: PRE	PROJECT NAME SECTION PROJECT MANAGER: BILL FIELD GROUP LEADER: G	SAMPLE NUP 3065C 505638	99/92/90	1414	<3.00	<0.300	<1.00	<2.00	009-0>	<2.00	00.9>	<0.00>	<0.300	<1.00	<0.500	006*0>	<3.00	<2.00	Z.	¥.	¥ 2	X A	K	*
0 7	PRC	3065B 505637	06/26/85	1358	<3.00	<0.300	<1.00	<2.00	009*0>	<2.00	00-9>	<0.00>	<0.300	<1.00	<0.500	006*0>	<3.00	<2.00	¥ %	Z	N.	NA	X	¥ Z
98/11/10		306 5A 505636	36/26/85	1340	<30.0	<3.00	<10.0	0.02>	00*9>	<20.0	0.09>	<0.00	<3.00	<10.0	<5.00	00*6>	<30.0	<20.0	N.	Y.	N	N	KK	*
J		30648 505631	06/26/85	1031	<3.00	<0.300	<1.00	<2.00	009*0>	<2,00	00*9>	<0.00>	<6.300	<1.00	<0.500	006*9>	<3.00	<2.00	N.	HA	×	Y.	¥ N	¥ X
EERING	6300 SAMPLES: ALL	3064A 505630	06/26/85	101	<3.00	<0.300	<1.00	<2.00	009-0>	42.00	00-9>	<0.00>	<0.330	<1.00	<0.500	<0.900	<3.00	<2.00	¥	K	X	N N	₹ Z	Z.
E ENGIN	84936300 74 SAHP	STORET #	METHUD #		98645	94986	98647	93648	98649	05986 0	0 98651	98652	96653	98654 9	98655	98656	98657	98658	08986	986 É L	3996	98683	98634	99996
ENVIRONMENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 3617W PARAMETERS: ALL SAMP	PARAHETERS STI	DATE	TINE	DIMP (UG/G-DRY)	DICHLORYOS CUG/6	HEXCLCYTPENDE (US/G-	MALAIHION (UG/G-DRY)	ISOORIN (UG/G-DRY)	114 OITHIANE (UG/6-	OLCYCLOPENTADIENE (U	DBCP(NEHAGGN) (UG/G-	P-CLPHENYLHETHYSULFI	P-CLPHENTLNETHYSULFO	AIRAZINE (UG/G-DRY)	SUPONA (UG/G-DRY)	DANP (UG/G-DRY)	UC/G- 98658	CARBUN TETRACHLORIDE	CHLUROBENZENE CHLUROBENZENE	CHLOROFORM	191-DICHLUKUETHANE	1,2-DICHLURGEIHANE	BICYCLOHEPTADIENE (UG/G-DRY)

		3367C 535555	58112190	153	<0.30	<0.439		<0.530	638.65	<0.539	<0.623	÷9.596	<0.333	¢9•490	<4°30	<1.13	<0.530	<0.400	2137554	1833.14				9.111
	•	30678 505649	06/21/95 0	132	z	ž	×	Ä	NA	N A	X.	e Z	hA	V 4	A 4	Ä	Y.Y	<0.400	2187554	183264	1.04	0.518	C. 311	0.621
	n (ea)	3067A 505648	06/27/85	115	W Z	A A	V 4	A X	** *:	A	A A	N.A	4	NA	×	N A	4 2	004.0>	4561812	183269	2.13	0.533	0.427	6.147
	ON 36 RMA LL FRASER GEISZLER/BEKGGULL	30668 505643	06726785	1115	Æ.	ΝA	N.A	X X	Z A	¥1i	Z.	NA	×	¥.	A.K	7	₹	<0°40°	2569912	183273	1.38	0.956	0.319	956°0
LIMINARY	SECTION SER BILL F	NUMBERS 3066A 8 505642	06/26/85	1659	N.	· NA	NA	A N	N.	NA	N	NA	X X	X	X	Z	¥	004"0>	2569917	183273	0.866	195.0	11	0.325
STATUS: PRELIMINARY	PROJECT NAME SECTION PROJECT MANAGER: BILL FIELD GROUP LEADER: G	SAMPLE NUP 3065C 505638	58/92/90	1414	X.	NA	₹ Z	NA	¥.	¥ Z	Z Z	W.	N.	X	N.A.	A A	A N	004.0>	2186590	183110	1.64	695"0	0.352	0.352
01	PRG	30658 505637	06/26/85	1358	¥ .	¥	N A	Y X	Z	N	V N	X	X X	X	×	KX	Z	<0°400	2186590	163110	1.53	0.547	11	1 .
01/11/86		3065A 505636	06/26/65	1340	. XX	¥ Z	X X	NA	¥.	H.	KA	KN	N	N.	N	X.	¥	60.4>	2186590	183116	11	11	Ħ	11.2
•		30648 505631	06/26/85	1031	¥ Z	¥	K.K	¥	Ž	Y N	¥	X	A N	¥	4 7	X X	¥	<0.400	2187101	183127	0.932	0.414	0.518	0.311
EERING	6300 SAMPLES: ALL	3064A 505630	06/26/85	1014	ž	¥ z	×	×	*	Y W	¥	X	Y.	K X	¥ X	¥	*	<0.400	1016812	183127	0.324	0.324	0.324	=
E ENGIN	4936300 H SANP	RET #	# 00H		98687	9368g	98989	06986 0	0 98691	26 986 0	96693	%6986 0	98698	. 96986 0	0 98697	0 0 0 0 0	98700	98703	98393	26£86	97006	90043	99006	900 6
ENVIRUNHENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 3617M PARAMETERS: ALL SAMPI	PARAMETERS STORET	DATE	ITHE	-				TOLUENE (UG/G-DRT)	(UG/G-GRT) 1,1,1-TRICHLORUETHAN	E(UG/G-D) 1,1,2-TRICHLOROETHAN	ECUG/G-0) TRICHLORCETHENE				(UG/G-DRY) BENZENE (UG/G-DRY)		FCPRSOZ UG/G-DKT	COORDINATE, ETHISTP)	COORDINALE, NYS(SIP)	UNK542 (UG/G)	UNK579 (U6/6)	UNK609 (UG/G)	UNK633 (U6/6)

ENVIRONNENIAL SCIENCE & ENGINEERING	IENCE & ENGI	NEERING	J	98/11/10		STATUS: PRELIMINARY	ELIMINARY	•			
PROJECT NUM FIELD GROUP PARAMETERS:	PROJECT NUMBER 84936300 FIELD GROUP: 36174 PARAHETERS: ALL SAMPI	6300 SAMPLES: ALL			PR	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGONLL	SECTION GER: BILL LEADER: GE	36 RMA FRASER ISZLER/BER	2 7009		
PARANETERS	STORET #	3064A 505630	30648	3065A 505636	30658 505637	SAMPLE NU 3065C 505638	NUMBERS 3066A 18 505642	30663 505643	30678 505648	30678 505649	3067C 505539
DATE	NETHOD #	06/26/85	06/26/85	06/26/85	06/26/85	06/26/85	06/26/85	59/92/90	58112196	05/27/85	06727785
IIME		1014	1031	1340	1358	1414	1059	1115	115	132	153
UNK634 (UG/G)	9006	11	11	11	7	11	11	11	11	11	
UNK544 (UG/G)	92006 0	11	Ħ	11	H	II	. 11	11	11	==	
UNK629 (UG/G)	0 0 0 0 0	2.16	Ħ	11	3.39	Ħ	11	11	11	11	
UNK604 (U6/6)	19006 0	11	Ħ	22.3	0.985	11	11	11	=	11	
UNK621 (UG/G)	0 0 0 0 0 0 0 0	11	11	100	0.547	=	11	11	H	11	
UNK596 (UE/G)	0 90055	11	11	22.3	11	11	IL	==	1	11	
UNK601 (UG/6)	95006	11	11	22.3	11	11	==	11	=	11	
UNK606 (UG/G)	89006 0	11	11	22.3	11	11	IL	11	11	11	
UNK612 (UG/6)	9006 89006	11	11	11.2	11	11	IL	1	11	11	
UNK613 (UG/G)	69006	11	=	22.3	11	11	11	1	1	==	
UNK617 (UG/G)	2,000 0	11	11	44.6	11	1	11	11	11	11	
UNK622 (UG/G)	9,006	11	ıı	22.3	11	It	11	=	11	11	
UNKEUB (UG/G)	9006 9	N	X.	X.	×	K.	¥Z	¥ Z	A A	¥ v	0.555
UNK615 (UG/G)	1,000 1	NA	Z	X.	NA	Z A	¥.	W.	A.T.	¥	
UNK614 (UG/G)	9000	¥ Z	V V	××	NA	N A	¥ X	W.	Z	×	5.33
UNK635 (UG/6)	189n6 0	NA	A N	K	N	¥ Z	. AM	W.	4 2	¥1A	1.13
UNK602 (U6/G)	65006 0	NA	X A	N	× ×	X X	4	W.	Z	¥ 4	9.555
UNK545 (UG/G)	62006	11	11	11	11	11	11	11	=	1 .	
UNK523 (UG/G)	90092								٠		
UNK611 (UG/G)	9006 0						,				

ENYIRONMENTAL SCIENCE & ENGINEERING	JENCE E ENGL	NE ER ING		01/11/86	,	STATUS: PRELIMINARY	ELIMINARY				
PROJECT NUM	PRGJECT NUMBER 84936300 FIELD GROUP: 3617H				22	DJECT NAME	SECTION GER: BILL	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER			
P ARAMETERS	ALL SAM	SAMPLES: ALL			FI	ELO GROUP	LEAUER: GE	1571157916	1101		
PARAMETERS	SI ORET #	3064A 505630	30648	3065A 505636	30658 505637	SAMPLE NUMBERS 3065C 3066 505638 5056	NBERS 3066A 505642	30668 505643	3067A 505648	30678 505649	3857E 505658
DATE	HETHOD #	06/26/85	06/26/85	06/26/85 06/26/85 06/26/85 06/26/85 06/26/85	06/26/85	06/26/85	06/26/95		06/26/85 06/27/65 06/27/85 06/27/35	06/27/85	\$677,2793
ITHE		1014	1031	1340	1358	1414	1059	1115	115	132	1,3
UNK619 (UG/G)	90105				-						
UNK637 (UG/G)	69006										
UNK654 (UG/G)	90113										
UNK631 (UG/G)	90083		<i>.</i>								
UNK636 (UG/G)	9006										
UNK641 (UG/G)	90107										
UNK530 (86/6)	61026										
UNK554 (UG/G)	96006										
UNK555 (UG/6)	16006			•							
	•										

		36178 535001	711/85	1120 -	90	175		ž	· •	6.7	6.65	Ξ	•	13	ξ I,	5.5	(1.1)	<0.)c0	<0.5 JC	<0.40×	<3.700	(Il>	<0.33d	<0.330
		3078A 505666	7/1/35	1104	SO	ပ	STRE	R.	S	3.2	6*3>	~	15	(1)	45	4.1	\$3.00	096.0>	<0.300	40°46U	<0.700	<1.0ù	<0.30¢	<0• 30g
	าษอ	30690 505663	31111	933	20	457	BURE	P.R.	5	18.1	6°9>	34	. 25	. 21	63	<4.1	<0.0>	036*3>	938*6>	004*3>	<0.103	<1.00	<0.300°	<0.300
	IN 36 RHA L FRASER GEISZLER/BERGDOLL	3089C 56562	7/1/85	828	30	412	BORE	RK	S	7.1	6.0>	6	ച	(1)	35	6.1	<0.05	006*0>	<0.30	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<0.100	<1. 00	<0.300	<0.300
LIHINARY	ECT NAME SECTION 3 ECT MANAGER: BILL F GROUP LEADER: GET	NUMBERS A 30698 60 505661	7/1/85	804	3	. 122	BORE	æ	S	3.4	6.0>	~	\$	413	54	<4.7	<0.05	<0.900	<0.300	<0.400	<0.700	(1. 00	<0.300	<0.300
SIATUS: PRELIMINARY	PROJECT NAME PROJECT MANAG FIELD GROUP L	SAMPLE NUM 3069A 565660	31111	148	Su	0	BORE	RX	S	1.2	6.0>	6	80	417	32	<4.1	<0.0>	006*0>	<6.300	004*0>	<0.760	<1. 00	<0.300	<0.300
S	PROF	30668 505655	06/27/85	1502	. 50	771	BORE	¥	S	4.1	<0.5	10	01	<16	35	2*5>	<0.07	<0.500	009*0>	<2.00	00.4>	00*9>	<0.500	<0.500
01/11/86		3068A 505654	06/27/85	1446	80	9	6 CRE	RX	S	5.3	<0.5	71	16	77	*	<5.2	(9.0>	<0.500	009*0>	<2.00	00.*>	60°9>	<0.500	<0.500
0		3067E 505652	06/27/85	852	20	519	BURE	8 K	S	20.0	1.0	15	94	22	99	<5.2	<0.0>	<0.500	009.0>	<2.00	00.4>	00*9>	<0.500	<0.500
EERING	6300 Samples: All	30670 505651	06/27/85	828	08	123	BORE	ž	S	17.8	6.0	**	41	\$2	06	<5.2	<0.0>	<0.500	009*0>	<2.00	<4. 00	00°9>	<0.500	<0.500
CE & ENGIN	84936300 6174 L SAMP	STURET #	HE EHUD #		11999	95166	99189	02166 0	300ZL	0 0 0 0 0 0 0 0	301 0	9858 4	1043	105	1093		12611	98356	Š 98 8 6	9836 9836	98 86 9	- 9336 <u>1</u>	98363	0- 98644 0
ENYIRUNMENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 36174 PARAKTERS: ALL SAMPI	PARAHETERS	DATE	TINE	SANPLE TYPE	SAMPLE DEPTHICH)	SITE IPPE 1	INSTALLATION COBE	SAMPLING TECHNIQUE	MUISTURE(ZKET HI)	CABATUR, SED (UG/6-	CR, SOIL (UG/6-DRY)	COPPER, SED (UG/G-	LEAD, SED (US/6-DRY)	ZINC, SED (UG/G-DRY)	ARSENIC, SED (UG/G-	HERCURT, SED (UG/6-	ALDRIN, SED (UG/6-	DIELDRIN(UG/G-DRY)	001,PP*(UG/6-0RY)	ENDRIN (UG/G-DRY)	CHLORDANE, SED (UG/G-	00E,PP*(LG/6-0RY)	1,4 OXAFHIANE (UG/G- 98644 DRY)

ENVIRONMENTAL SCIENCE & ENGINEERING	E ENGI	VE ER ING		01/11/86		STATUS: PR	PRELIMINARY				
PROJECT NUNGER 84936300 FIELD GROUP: 36174 PARAMETERS: ALL SAMP	493630 W SAH	6300 SAMPLES: ALL			PR	PROJECT NAME SECTION PROJECT MANAGER: BILL FIELD GROUP LEADER: G	SECTION GER: BILL LEADER: GE	IN 36 RMA LL FRASER GLISZLER/BERGDUL	פכתרנ		
PARAMETERS STU	STURET #	30670 505651	3067E 505652	3068A 505654	306 88 505655	SAMFLE NUI 3069A 505660	RUNGERS A 30698 60 505661	3069C 505662	30690 50563	3070A 505606	3075d 5055d7
DATE	NETHOD #	06/27/85	06/23/85	06/27/85	06/27/85	7/1/85	11185	3/1/135	7/1/35	7/1/65	711/35
TINE		822	852	1440	1502	148	804	62 E	. 933	1104	11.20
DIMP (UG/G-DRY)	98645	<3.00	<3. 30	<3.00	.<3.00	<0.500	<0.500	<0.500	<0.500	<0.530	<0°5.33
DICHLURVUS (UG/G	94986 0	<0.300	<0.300	<0°300	<0.300	<0.360	<0.300	<0.306	005.3>	<0° 300	66, 150
HEXCLETYPENDI (UG/G- 9804) 1,006	10°1	<1.00	<1.00	<1.00	<1.00	<1.00	36.15	<1.00	<1.08	4.3 3
CRY) MALATHIUN (UG/G-DRY)	0 9998	<2.00	60°2>	<2.00	<2.00	009*9>	009*0>	009-0>	099 • 0>	003.60×	60c.E>
ISDORIN (UG/G-DRY)	6 4 9 8 6	<0.60	009*0>	009*0>	<0.600	<0.300	<0.300	<0.300	<0•30 <u>0</u>	<0.360	<2.350
1.4 DITHIANE (UG/G-	0 0 0	<2.00	<2.00	<2.00	<2.00	<0.303	<0.300	<0.300	<0.303	<0° 390	C3*33
DICYCLOPENIADIENE (U	15986 0	00*9>	6.00	<6.00	00*9>	<6.300	<0. 300	<0.300	<0.300	<0.100	<1,353
G/G-ORY) DBCP(NEMAGON) (UG/G- 94652	94652	<u-< td=""><td><0.00</td><td><0.00</td><td><0.005</td><td><0.00></td><td><0.00</td><td><0.00></td><td><0.00</td><td><0.605</td><td><0.05</td></u-<>	<0.00	<0.00	<0.005	<0.00>	<0.00	<0.00>	<0.00	<0.605	<0.05
D-CLPHENTINETHYSULFI	0 98653	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0°300	<0°300	<0.300	<0.135
	0 93654	<1.00	<1.00	<1.00	<1.00	<0°400	<0.400	004*0>	<0.400	<0.400	<0.433
ALRAZINE (UL/G-DRY)	98655 0	<0.500	<0.500	<0.500	<0.500	<6.700	<0.700	<0.700	40.100	<0.100	co.755
SUPONA (UG/L-DRY)	93986 0	<0.900	<0°**	<0.900	<0.900	<0.500	<0.500	<0.506	<0.50	<0.500	<5.J
DHMP (UG/G-DRY)	98657	<3. 00	<3.00	<3.00	<3.00	<2.00	< 5 *00	<2.00	<2.60	<2.00	<2.33
U EIT"PARAIHION (UG/G- 98658	98658 98658	<2.00	<2.00	<2.00	<2.00	<0.700	<0.100	<0.700	<0.760	<0.10>	¢¢,736
DRY) CARBUN TETRACHLORIDE	0 0 0	¥.	<0.400	¥¥	W.	AA	X	NA.		V X	4.1.
CHLOROBENZENE	18986 0	N	<0.300	N.	NA	. NA	K	×		N.	11,
CHLOROFORM	7898£	×	<0.700	¥.	X	NA	Æ Z	Z Z		¥ z	****
LOJ-DICHL CROE THANE	93683	×	<0.500	N	NA	N.A	X.	V N		Ä	3
(UG/G-DRT) 1,2-DICHLOROE THANE	¥9986 0	44	<0.400	K	¥ R	NA	X	Y.		4 ×	₩3.
(UG/G-DRY) BICYCLOHEPIAOIENE	98686	**	<0.800	X	NA	N	X X	¥		4	11.00 P.
11x0-9/90)	>										

FRENCETCH SARILE SESSION FROM THE STAND FROM THE ST	ENVIRUNMENTAL SCIENCE & ENGINEERING	TENCE & ENGI	NEERING		01/11/86		SIALOS: PRELIMINARI	ELINIMARI				
STUNET II 306501 316604 STAPLE HUMBERS 316604	PROJECT NUP FIELD GROUP PARAHETERS:	13ER 8493630 1: 3617H : ALL SAM	LES:			& & II	OJECT NAME OJECT MANA ELO GROUP	SECTION GER: BILL LEADER: GE	36 RMA FRASER ISTLERTGER	11063		
HE HUD # 064727765 064727765 064727765 711/165 711/165 711/175	PARAMETERS		30670 505651	3067E 505652	3068A 505654		SAMPLE NU 3669A 505660	MBERS 36698 505661	3369C 505652	3069B 505663	307CA 505666	367.5 505587
90066 NA N	DATE		06/27/35	06/23/85	06/27/85	06/27/85	7/11/85	7/1//85	7/1/85	257171	7/1/35	711/35
90066 90062 90063	TIME		278	852	1446	1502	148	906	828	933	1104	1123
90026 NA 90052 NA 90062 NA 90075 NA NA NA NA NA 90075 NA NA NA 90063 NA NA NA NA 90064 90076 NA NA NA NA NA NA NA NA 90076 90077 NA NA NA NA NA NA NA 90077 NA	UNK634 (UG/G)	98006	X X		¥	4 2						
90062 90062 90075 HA	UNK544 (UG/G)	97006	¥ N		A.	Y X						
90461 NA	UNK629 (UG/G)	90062	N			•						
90075 HA NA	UNK604 (UG/G)	90061	¥ N		¥.	NA						
9u055 NA NA NA NA NA NA 9u063 NA NA NA 9u063 NA NA NA 9u064 9u069 NA NA 0a317 9u072 NA NA 0a525 A 5.63 * 1.77 * 2.43 * 2.69 9u069 9u072 NA NA NA NA NA NA NA NA 0a630 9u067 9u067 NA NA NA NA NA NA NA NA NA N	UNK621 (UG/G)	90015	¥#		X	NA						
90056 NA KA NA 90063 NA KA NA 90069 NA NA NA 90069 90072 NA NA NA 90072 90073 NA 0.750 90072 90072 NA NA NA 90072 90072 90072 NA NA NA 90072 90072 90072 90072 90072	UNK596 (UG/G)	9 8 8 8	¥ X		K	AN						
94065 NA	UNK601 (UG/G)	95006	¥		Z.	X						
90069 NA	UNK606 (UG/6)	890c6 890c6	×		N.	X						
90069 NA	UNK612 (UG/G)	9006	NA		X	Y X						
90072 NA	UNK613 (UG/G)	69006	¥ X		N	K Z						
9J056 NA 0.317 9J055 NA 0.317 9J071 NA 0.750 0.525 4.5.63 4.1.72 4.2.9 9J059 NA 0.630 9J057 NA	UNK617 (U6/6)	97075	Z Z		¥	N.A.						
93065 NA 0.317 93071 NA 0.750 0.525 4.5.63 4.72 4.2.43 4.2. 93067 NA 0.750 0.630 93067 NA	UNK622 (UG/G)	900%	4 Z		NA NA	NA						
9J071 NA 0.750 0.525 4.5.63 1.72 7.6.43 4.2. 9J070 NA 0.750 0.630 9J059 NA	UNK608 (UG/G)	93065	N		0.317							
90070 NA 0.750 0.525 4.5.63 4.1.72 4.2.43 4.2. 90087 NA 0.630 0.630 90027 NA NA NA NA NA O.630	UNKEIS (UG/G)	9307 1	×				-					
90087 NA 0.630 90059 NA	UNK614 (U6/6)	90006	Y.	0.750		0.525			* 1.72	ب,	'n	
90059 NA	UNK635 (UG/G)	0 18006	A.S.			0.630						
90027 NA PA 90092 90067	UNK602 (UG/G)	65006	*				:					
	UNK545 (UG/G)	9002	X Z		NA NA	. A						
	UNK523 (UG/G)	26006				-						
	UNK611 (UG/G)	19006										

	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLEN/9ERGJALL																	`.						
ELIHINARY	SECTION GER: BILL LEADER: GI	NUMBERS BLK 81 505692	06/27/85	9	SO		QCMB	Æ	S	2.0	A.						<0.0>							
STATUS: PRELIHINAR	OJECT NAKE OJECT MANA ELD GROUP	SAMPLE NU BIN 505691	9112790	0	SO	0	QCHB	RX	S	2.0	N.						<0.0>	<c.500< td=""><td><0.9*0></td><td>00*2></td><td><4.60</td><td>66.00</td><td><0.500</td><td><0.500</td></c.500<>	<0.9*0>	00*2>	<4.60	66. 00	<0.500	<0.500
	RRE	BLK 505690	06/27/85	0	. 80		дснв	æ	S	2.0	N.					<5.2		<0.500	<0.600	<2.00	<4°00	00*9>	<0.500	<0.500
01/11/86		BLK 505681	7/1/85	0	SO	0	4CHB	æ	9	9•2	NA							<0.900	<0.300	<0.400	<0.100	<1.00	<0.300	<0.300
_		6LK 505630	6125185	0	SO	0	GCH3	æ	9	0.5	<0.0>	11	6	18	0.5	5.9	<0.0>	<0.900	006.0>	<0.400	<0.700	<1.00	<0.300	<0.300
NEERING	6300 SAMPLES: ALL	30652 505672	06/26/85	1428	80	366	BORE	R	S	21.2	<0.5	70	19	91>	69	<>.2	<0.07	<0.500	009*0>	<2.00	<4.00	00*9>	<0.500	<0.500
E ENGI	843530 74 SAM	STORET #	METHUD #		11899	99758	99759	02166 0	1 200 5	70320	1028	99584	1043	702	1093	, 500 T	17671	9356	98365	98364	98369	19886	98363	98646
ENVIRONHENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GRUUP: 3617W PARAMETERS: ALL SAMPI	PARAME TERS ST	DATE	FINE	SAMPLE TYPE	SAMPLE DEPTHICH)	SITE TYPE I	INSTALLATION CODE	SAMPLING TECHNIQUE	MOISTURE(ZWET MI)	CAOMIUN/SED (UG/6-	CR, SOIL (UG/G-ORY)	COPPER, SED CUG/G-	LEAD, SED (UG/G-ORY)	ZINC, SED (UG/G-DRT)	ARSENIC, SED (UG/G-	MERCURY, SED (UG/G-	ALURIN, SED (UG/G-	DIELDRINGUG/G-DRY)	DUT,PP*(UG/G-DRY)	ENDRIN (UG/G-DRY)	CHLURDANE, SED (UG/G-	DUE,PP*(UG/G-ORY)	1.4 OXATHIANE (UG/6- CRY)

	1710092												٠										٠	
X	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDNLL	26	65	0								90						``						
ELIHINA	SECTI IGER: BI LEADER:	NUMBERS BLK 505692	06/27/85			•						<0.00												
STATUS: PRELIHINARY	DJECT NAME DJECT MANA ELO GROUP	SAMPLE NU BLK 505691	06/27/85	0	<3.00	<0.300	<1. 00	<2.60	009*0>	<2.60	00°9>	<00*0>	<0.300	<1.00	•6.500	0.06*0>	<3.00	<2.00		٠	:			
	RA	8LK 505690	06/27/85	0	<3.00	<0.300	<1.00	<5.00	009*0>	<2.00	********	<00*0>	<0.300	<1.00	<0.500	<0.90	<3.00	<2.00	<0.400	<0.300	<0.700	<0.500	<0.400	AD. 800
99/11/10		BLK 505681	1/1/85	0	<0.500	<0.300	<1.00	009.0>	<0.300	<0.300	<0.300	<0.00	<0.300	<0.400	<0.700	<0.500	<2.00	<0.700						
		818 505680	6/25/85	9	<0.500	<0.300	<1.00	<0°09	<0°*300	<0.300	<0.300		<0.300	004*0>	<0.703	<0.500	<2.00	<0.700						
& ENGINEERING	6300 SAMPLES: ALL	30652 505672		1428	<3.00	<0.300	<1.00	<2.00	<0.600	<2.00	00.9>	<0.00	<0.300	<1.00	<0.500	<0.900	<3.00	<2.00	<0.400	<0.300	<0.100	<0.500	<0.400	
SCIENCE	UMBER 8493 UP: 36174 S: ALL	STURET #	METHUD M		-DRY) 98645	95996 9/5ñ) 0	0 1443 0 106/6- 98647	17) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 5/6-DRY) 98649	UE (UG/G- 98650	IADIENE (U 9865)	76-DRY) 0 (16/6- 98652	(T) HETHYSULFT 98653	(UG/6-U) 0 (ETHYSULFU 98654	.(UG/G-D) 0 JG/G-ORY) 98655	0-68Y) 3865 <u>6</u>	ORY) 98657	85986 -9/90) NOI	AACHLORIDE 94680	U6/6-UKT) 98681	JG/G-DKT) 98682	CUG/G-DRI) UKUETHANE 98683	16/6-0X13 U	U6/6-081)
ENV IRONNENTAL	PROJECT N FIELD GRO PARANETER	PARAHETERS	OATE	IIME	0-9/9N) AHTO	DICHTORNOS	HEXCLCYYPENOI	DRT) MALATHION (UG/G-DRT)	ISUOKIN (UG/G-DRY)	LP4 DITHIA	DICYCLOPEN	6/6-DRY) DBCP(NEMAGON) (UG/1	P-CLPHENTL!	DECLPHENTINE	NECU ATRAZINE CUG/	SUPONA (UG/6	DHHP (UG/6-0	ETY*PARATH	CARBON TEJRÁCHLORIDE	CHLOROBEKZI	CHLOROFORM	1,1+010-1,1	LAZ-DICHLORDEIHANE	

. 111																							
36 RNA FRASER EISZLEKZEFEER																	`.;	٠.					
SECTION GER: BILL LEADEK: G	MERS BLK 565692	06/27/85	0																				
DJECT NAKE DJECT NAKA ELD GRUDP	SAMPLE NU BLK 505691	06/27/35	0														*******			11	11	1.02	=
Page	8LK 505690	06/27/85	0	<0.800	004.0>		<0.500	<0.300	<0.500	009.0>	009*0>	<0.300	0.850	64.00	<1.00	<0.500	<0.400						
	BLK 505681	7/1/85	0														<0.300						
	81K 5u5680	6125185	0														<0.300						
) PLES: ALL	30652 505672	06/26/85	1428	<0.60	<0.400		<0.500	<0.300	<0.500	<0.00	009*0>	<0.500	<0.400	00°4>	<1.00	<0.500	<0.400	2186590	183110				
4936301 H SAN	RET #	# QD#		89986	98689	69986	986986	76986 0	26996	86986	98698	93695 0	98886	98697	0 0 0 0	ñ0196	98703	98393	98392	\$2006	90043	39006	90085
NUMBER 3 DUP: 3617 RS: All	STE	KE		ORCET	0-9/901	LOR IGE	THE NEW TO	יי-טאט-טי יי-טאט-טי	ETHAN	HAN	((1×n-1/	(1 ×0-9)	/L-UK1)	6-0KT)	TLENE	-0×1	(H(STP)	(SISIP)	_	•	_	_
PROJECT P FIELD GRI PARAMETER	PAKAHETERS	DATE	TINE	IRANS-1,2-DE	ETHYL BENZENE	METHYLENE CHI	CUS. TETRACHLGRUE	TOLUENE	1,1,1-181CHL	1,1,2-IRICHL(ECUL TRICHLURCE THE	H-KTLENE	MIBK	SONO SONO	CGG, BENZENE (UGZI	O-AND/OR P-XI	PCPHSOZ UG/G	COOROINATEPE	COURDINATE,N	UNKS42 (UG/G.	UNK579 (UG/G	UNK609 (UG/G	UNK633 (UG/G)
	84936300 617W SAMFLES:	T NUMBER 34936300 GRÜUP: 3617M IERS: ALL SAMFLES: ALL 30652 8LK BLK BLK STÜRET # 505672 505690 505681 50569	T NUMBER 84936300 GROUP: 3617H IERS: ALL SAMFLES: ALL 30652 BLK BLK STURET # 505672 505680 505681 50569 METHOD # 06/26/85 6/25/85 7/1/85 06/27/8	T NUMBER 34936300 GROUP: 3617M SERS: ALL SAMFLES: ALL 30652 81K STURET # 505672 505690 F05691 F0776 1428 0 0 0	5.56.74 3.61.74 SAHFLES: ALL STURET # \$05672 \$0.5630 505681 50569 HETHUD # 06/26/85 6/25/85 7/1/85 06/27/8 1428 0 0	5. 36.74 ALL SAHFLES: ALL SIURET # 505672 81K BLK BLK SIURET # 505672 505681 50569 HETHUD # 06/26/85 6/25/85 7/1/85 06/27/8 ORCET 98687 <0.800 0 0	# 34936300 # 34174 SAMPLES: ALL \$11	STURET # 505672 81K 81K 81K STURET # 505672 505690 505691 50569 HETHUD # 06/26/85 6/25/85 7/1785 06/27/8 1428 0 0 0 0 0 0 06CET 98687 <0.800 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50 16.50	STURET # 50562 81K 81K 81K 81K 81K 81K 81K 805691 505691 505691 505691 805776 81K	SIURET # 505672 81K BLK BLK BLK BLK SAHFLES: ALL SIURET # 505672 505681	STURET # 505672 81K	STURET # \$4936300 ** 3617M SAHFLES: ALL STURET # \$05672 \$05690 505691 50569 HETHUD # 06/26/85 6/25/85 7/1/85 06/27/8 GREET 98687 <0.800 GREET 98689 <0.400 GREET 98689 <0.500 GRY 98691 <0.300 GRY 98691 <0.500 EIHAN 98693 <0.600 EHAN 98693 <0.600 98694 <0.600 EHAN 98693 <0.600 98694 <0.600	STURET # 505672 81K BLK BLK BLK BLK STURET # 505672 505680 505681 50569 HETHUD # 06/26/85 6/25/85 7/1/85 06/27/8 ORCET 98687 <0.500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	STURET # 505672 81K BLK BLK BLK BLK SAHFLES: ALL 306572 505691 505991 505991 505991 505991 505991 505991 505991 505991 505991 505991 505991 505991 505991 505991 505991 5059991 505991 505991 505991 505991 505991 505991 505991 505991 5059991 505991 505991 505991 505991 505991 505991 505991 505991 5059991 505991 505991 505991 505991 505991 505991 505991 505991 5059991 505991 505991 505991 505991 505991 505991 505991 505991 5059991 505991 505991 505991 505991 505991 505991 505991 505991 5059991 505991 505991 505991 505991 505991 505991 505991 505991 5059991 505991 505991 505991 505991 505991 505991 505991 505991 5059991 505991 5	STURET # 505672 811K BLK BLK BLK STURET # 505672 505681 505691 50591	ALL SAMFLES: ALL ALL SAMFLES: ALL ALL SAMFLES: ALL SIURET # 505672 505680 505681 50568 SIURET # 505672 505680 505681 50568 HETHUD # 06/26/85 6/25/85 7/1/85 06/27/8 ORE 98680 <0.400 ORY 98691 <0.500 ORY 98692 <0.500 CINAN 98693 <0.500 CINAN 98694 <0.600 CO.50 CINAN 98694 <0.600 CO.50 CINAN 98695 <0.300 CO.50 CO.50	SIURET # 505672 81K BLK BLK BLK SUPERS: ALL 1428 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	STURET # 505672 50569 505691 50569 NETHUD # 06/26/85 6/25/65 7/1/85 06/27/8 STURET 94687 <0.000 DRY) 94694 <0.500 ETHAN 96692 <0.500 DRY) 94696 <0.400 ETHAN 96692 <0.500 DRY) 94696 <0.400 DRY) 94699 \0.400 DRY 94690 \0.400 D	STURET # 505672 50569 505691 505691 60677/8 510RET # 505672 505690 505691 505691 505691 505691 505691 505691 505691 505691 505691 505691 505691 505691 505691 505691 505691 505691 60690 6069000 606900 606900 606900 606900 606900 606900 606900 606900 6069000 606900 606900 606900 606900 606900 606900 606900 606900 6069000 606900 606900 606900 606900 606900 606900 606900 606900 6069000 606900 606900 606900 606900 606900 606900 606900 606900 6069000 606900 6	SIURET # 505672 50569 50561 50568 ALL SAMFLES: ALL SIURET # 505672 50569 505691 505681 HETHUD # 06/26/85 6/25/85 7/1/85 06/27/8 GRUET 90687	STURET # 505672	STURET # 505672 505691 505681 505681 505681 505681 505681 505681 505682 505681	STURET # 505672 505680 505681 50568 STURET # 505672 505680 505681 50568 HETHUD # 06/26/85 6/25/85 7/1/85 06/27/8 RETHUD # 06/26/85 6/26/80 RETHAM 9869 60-500 RETHAM 9869 6

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PROJECT NUMBER 64936300 FIELD GROUP: 36174 FIELD GROUP: 36174 FARMLIERS: ALL SAMPLES: ALL SAMPLE	ENVIRONMENTAL SCI	SCIENCE & ENGINEERING	LERING		01/11/66		STATUS: PRELIMINARY	ELIMINARY
30652 BLK BLK STORET # 505672 505680 505681 HETHOD # 06726785 6725785 771785 1426 0 0 0 761 90105 0 0 761 90108 0 763 90109 0 763 90109 0 764 90109 0 765 90109 0 767 90109 0 768 90109 0 769 90109 0 769 90109 0 760 90109 0 76	CCT NUME GROUP METERS:	BER 84936301 : 3617H All Sahi) PLES: ALL			FERE	DJECT NAME DJECT MANA ELD GKOUP	SECTION 36 KM4 GER: BILL FRASEÄ LEADER: GEISZLER/9E
#ETHUD # 06/26/85 6/25/85 7/1/85 142.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S.	STORET #	30652 505672	81.K 505680		8£K 505690	SAHPLE NU BLK 565691	HBERS BLK 505692
1426 0 90405 90089 90083 0 90086 90089 90019 90019 90019		METHOD #	06/26/85			06/21/85	59112190	06/21/85
			1428	0	0	0	Ð	Э
	UNK619 (UG/G)	80108						
	(9/9)	680r6						
	(9/9)	90113						
	(9/90	9008						
	UNK636 (LG/G)	99006						
	(9/90)	10106						
UNK554 (UG/G) 9UU96 0 UNK555 (UG/G) 9UU97	UNK530 (UG/G)	6 1 006						
	(9/90)	96006	•					
	(5/90)	2 6006						

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98/12/10

STATUS: PRELIMINARY

<0.300 <0.300 BORE <0.900 <1.00 30758 505725 221 . £., 0.01 <0.300 c0.400 c0. 700 ž 7/8/85 3075A 505724 3.0 c0.300 <0.300 629 BORE <0° <17 <4.7 <0.05 <0.900 <0.300 <0.700 <1.00 <0.400 01/02/65 07/02/85 7/8/85 3074B 505719 BORE 4.5 <0.0 <0.500 <0.00 <4.00 <0.500 <0.500 1422 ž <0.0> <2.00 **6.00** 122 2 10 ¢.16 <5.2 3 = PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GRUUP LEADER: GEISZLER/BERGDOLL c4.00 <2.00 <0.500 9.5 60.5 **416** <0.000 **66.00** <0.500 1408 BORE 2.5 <0.0> <0.500 307NA 505718 2, ž 6.0 c0.900 <6.300 13.4 0.05 c0.300 c0.400 c0.700 **<1.**00 <0.300 30738 505713 BORE (;) 7/8/85 S 罴 Ç ~ 2 5.1 SAMPLE NUMBERS <0.300 3073A 565712 BORE 5.3 <0.0> 0.08 <0.700 <1:00 <0.300 <0.900 <0.400 ₹ 75 12 0.322 SO 01/03/85 07/03/85 7/8/85 30728 <0.0> c0.500 <0.500 <2.00 00.4> BURE 4.4 <0.0> 2 <28 <0.503 <0.09*0> **6.00** S. 쭕 122 <0.500 <0.0> <0.500 3012A 505706 8 ORE <0.0> <0.500 <2.00 **64.**00 ***6.00** 紊 39 <0.600 121 <0.300 <0.400 <0.300 BURE ¢0°3 C4.7 0.06 <0.900 <0.300 c0.700 <1.00 1445 3.7 7 ž Ç 53 30718 505701 2 7/1/85 3071A 505700 <0.0> c0.400 c0.730 <1.00 c0.300 5,5 <0.0> BORE <4.7 <0.900 × c0.300 1451 춫 Ĵ 28 SAMPLES: ALL 7/1/85 PRUJECT NUMBER 84936300 Field Grüup: 3617X Parameters: All Sampi 90309 98363 99158 44159 2002 1028 1043 1093 1003 98386 -99720 70320 99584 1052 11921 98365 98364 98361 SIURET HLTAUD 1.4 UXAIHIANE (UG/G-HERCURY, SED CUG/U-GRY) ALDRIN, SED CUG/G-GRY) CHLURDANE, SED (UG/G-LEAD, SED (UG/G-DRY) ZINC.SED (u6/6-UKY) DIELORIN(CO/G-URT) ARSENIC, SED (UG/3-SANPLING TECHNIQUE CADMIUM, SED (UC/6-CRASOIL (UL/G-DRY) DDE,PP*(UG/G-ORY) DUT,PP*(UG/G-DRY) ENDRIN (UG/G-DRY) MOISTURECZNET HTJ COPPER, SED (US/6-INSTALLATION CODE SAMPLE DEPINICA) SITE TIPE 1 SAMPLE IYFE PARAMETERS DATE IIKE

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		3075B 505725	7/8/85	848	<0.500	<0.300	<1.00	009*0>	<0.300	<0.300	<0.300	<0.00>	<0.300	<0.400	<0.700	<0.500	<2.00	<0.700	X.	K K	¥¥	Y.	N.	¥
		3075A 505724	7/8/85 7/	629	<0.500	<0.300	<1.00	<0.00	<0.300	<0.300	<0.300	<0.00	<0.300	<0.400	<0.700	<0.500	<2.00	<0.100	N N	¥.	¥.	NA	KA	¥ X
	100	3074B 505719	01/02/85	1422	<3.00	<0.300	<1.00	<2.00	009*0>	<2.00	00*9>	<0.00>	<0.300	<1.00	<0.500	006*0>	<3.00	<2.00	æ æ	K X	N.	~	Y	₩
	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GRUUP LEADER: GEISZLER/BERGDOLL	3074A 505718	01/02/85	1406	<3.00	<0.300	<1.00	<2.00	009*0>	<2.00	00°9>	<00.00	<0.300	1. 00	<0.500	<0.90	<3.00	<2.00	WA	N N	N. N.	N.	KA	¥ X
EL IN INARY	SECTION SER: BILL CENTER OF SERVICES SE	48ERS 30738 505713	7/8/85	149	<0.500	<0.300	1. 00	<0.600	<0.300	<0.300	<0.300	<0.00>	<0.300	<0.400	<0.700	<0.500	<2.00	<0.700	N	K	*	NA	** Z	ž
STATUS: PRELIMINARY	DJECT NAME DJECT HANA ELD GROUP	SAMPLE NUMBERS 3073A 3073B 505712 505713	7/8/85	135	<0.500	<0.300	<1.00	009*0>	<0.300	<0.300	<0.300	<0.00	<0.300	004.0>	<0.760	<0.500	<2.00	<0.700	N	4 z	¥ Z	A.	¥N.	¥ Z
	RAT	30728 505707	07/03/85	132	<3.00	<0.300	<1.00	<2.00	009*0>	<5.00	00°9>	<0.00\$	<0.300	<1.00	<0.500	<0.900	<3.00	<2.00	K Z	¥.	¥.Z	Z.	X X	¥.
997/27/10		3072A 505766	01/03/85	121	<3.00	<0.300	<1.00	<2.00	009*0>	<2.00	00°9>	<0.00	<0.300	<1.00	<0.500	<0.900	<3.00	<5.00	×	¥.	æ Z	X.	¥	NA
_		3071B 505701	711/85	1445	<0.500	<0.300	<1.00	<0.9*0>	<0.300	<0.300	<0.300	<0.00	<0.300	004.0>	<0.700	<0.500	<2.00	<0.703	¥ Z	Z Z	¥ X	¥ Z	N.	Y X
NEERING	6300 SAMPLES: ALL	3071A 505700	1/1/65	1451	<0.500	<0.300	<1.00	<0.600	<0.300	<0.300	<0.300	<0.00	<0.300	<0.430	<0.700	. <0.500	<2,00	<0.700	A.	Z Z	N N	¥ z	4 2	¥ Z
E ENGI	8493630 7X SAM	STORET #	METHUD #		96645	98846	0 64386 ·	98648	6 4 9 8 6	98650	0 0 0	9 8652	0 0 0	9665 4	98655	98656	9 4657	9 46 58	98680	18996	78996	98683	98684	98686
ENVIRONHENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 3617X PARAHLIERS: ALL SAMP	PARAHETERS ST	NE DATE	TINE	DIMP (UG/G-DRY)	DICHLORNUS (UG/G	HEXCLCYTFERDI (UG/6- 9	OKT) MALAJHIGN (UG/G-DRY)	ISOURIN (UG/G-DRY)	1,9 DIHIANE (UG/G-	DICYCLUPENIADIENE (U	DBCP(NEMAGUN) (UG/G-	P-CLPHENTLHETHYSULFI	P-CLPHENYLNETHYSULFU	AIRAZINE (DG/G-DRY)	SUPUNA (UG/G-DRY)	UNHP (UG/G-DRY)	EIT*PARATHIUN LUG/G-	CARBUN TETKACHLORIVE	CHLOROBENZENE CHLOROBENZENE	CHL OKUFOKN	LAL-DICHLOROEIHANE	1,2-DICHLORUETHANE	BICYCLOHEPIADIENE (UG/G-DRY)

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01/21/86

PROJECT NUMBER 84936300 FIELD GRUUP: 3617X PARAMETERS: ALL SAMPLES: ALL

STATUS: PRELIMINARY

PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGOULL

30758 505725	7/8/85	8.48	N	MA	K N	¥	¥ X	N.	N.	Æ Z	W.	W.	¥.	4	¥	<0.300	183847	7186801				
3075A 505724	7/8/85	828	XX	¥X	NA NA	X.	4	¥ N	¥ R	¥ X	N.	¥ N	¥	¥¥	×	<0.300	183847	2186801				
30748 505719	03/02/85	1422	¥	×	* Z	¥ Z	X	NA	¥ Z	¥.	¥.	¥	¥.	Z.	K X	<0.400	183875	2187407		0.733		
3074A 505718	07/02/85	1408	K Z	¥ Z	¥	Z.	Z	*	X X	¥	¥	¥ ×	K Z	×	X	004.0>	103875	2187407		0.332	0.221	1.99
48ERS 30738 505713	7/8/85	149	¥	X X	¥	K N	X.	¥	¥	¥	¥	X X	¥.	¥	Y.	<0.300	183720	6169812				
SAMPLE NUMBERS 3073A 3073B 505712 505713	37.87.85	135	K	AM	A A	*	æ Z	K	N.	X	N.	4	¥ 2	×	¥ X	<0.300	183720	5186949			•	
30728 505707	07/03/85	132	A N	¥ z	N.	¥Z.	Z.	Y X	¥ X	Z	×	¥ X	¥.	×	¥ Z	<0.400	183720	2551812				
3072A 505706	07/03/65	121	Y.	NA	W.	A	a z	N	N	NA NA	¥	¥	N.	N A	¥ X	<0.400	183720	21812	0.435	0.871		
39718 505701	1/1/85	1445	ĸ	** **	NA	42	₹ Z	Y X	¥	X X	*	Æ Æ	¥	KN	4 2	<0.300	183572	2167699	- 1-			·
3071A 505700	1/1/85	1421	¥ Z	N A	ПA	¥ Z	¥ Z	¥ Z	¥	N A	¥ z	Y N	≪ Z	¥ Z	¥ ×	<0.300	183572	2181699				
RET #	METHUD #		98687	0 98688	0 88986	06996	0 98691	76986 0	0 98693	56996 0	99995	96986 0	0 996	0 0 0 0 0 0 0 0	0 00.486	0 89703	76£86 0	0 98393	9008 9	18006 0	9006	9006
PARAMETERS STURET				_		_	_	(UG/G-DRY) 19191-TRICHLORDE IHAN		E(UG/G-B) Alorotiyene	(UG/G-DRY) M-XYLENE	(UG/6-URY)		(UG/G-DRY) ENE (UG/G-DRY)		(UG/G-ORY) PCPMSOZ UG/G-ORY	COORDINATE, N/S(STP)	COORDINATESE/HCSTP)	UNK633 (UG/G)	UNK635 (UG/G)	UNK542 (UG/G)	UNK629 (UG/G)
PARA	DATE	IINE	IRAN	ETHI	HETH	TE TR.	TOL VE KE	1,1,	1,1,	IRIC	H-X-	¥63#	DMDS	BENZ	¥-0	PCPA	COOR	COOR	UNK6	UNKO	UNKS	UNK

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STATUS: PRELIMINARY

01/27/86

PROJECT NUI FIELD GROUP PARAMETERS	PROJECT NUMBER 84936300 FIELD GROUP: 3617X PÄRAKCTERS: ALL SAMPI	6300 SAHFLES: ALL			EEL	DJECT NAME DJECT HANA ELD GROUP	PROJECT NAME SECTION 36 RMA PROJECT HANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDOLL	36 RMA FRASER ISZLER/BER(17005		
PARAHETERS	STURET #	3071A 505730	30718 505701	3072A 505706	30728 505707	SAMPLE NUMBERS 3073A 307 505712 505	MBERS 30738 505713	3074A 505718	30748 565719	3075A 505724	30758 505725
DATE	METHUD #	7/1/85	7/1/85	01/03/85	07/03/65 07/03/85 7/8/85	7/8/85	7/8/85	07/02/85	07/02/85 07/02/85 7/6/85	7/8/85	1/8/85
FINE		1451	1445	121	132	135	149	1408	1422	620	848
UNK631 (UG/G)	90083				0.628						
UNK533 (66/6)	90021										
UNK639 (UG/G)	99006										
UNX513 (UG/G)	95116	A 0.781									
UNK530 (UG/G)	81006	14.9 4									
UNKSSS (UG/G)	6006	4 9.78									
UNK614 (UG/G)	0 0 0 0 0 0 0	* 13.6	* 2.26			4 1.04					
UNK523 (UG/G)	26006						4 2.46			12.1 +	
UNKS67 (UG/G)	96006				٠	* 0.898					
UNKS75 (UG/G)	12106 0					A 0.951					
UNK618 (UG/G)	90673					94.1 *					
UNK619 (UG/G)	90105					* 3.14			,		
UNK637 (UG/G)	69006										
UNK538 (U6/6)	90123										

ENVIRONMENTAL SCIENCE C ENGINEERING

PROJECT NUMBER 64936300 FJELD GROUP: 3617X PARAMETERS: ALL SAMPLES: ALL

PROJECT NAME SECTION 36 RNA PROJECT HANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDOLL

STATUS: PRELIMINARY

01/27/86

30808 505755 BORE <17 **6.7** <0.0> <0.900 c0.300 c0.400 **<1.**00 <0.300 c0.300 . 2 c0.700 3 풅 7/2/85 3080A 505754 <0.0> c0.300 <0.300 BORE 6.7 <1.7 <0.900 c0.300 c0.400 co. 700 <1.00 Ç (1) ¥ 772/85 30798 505749 BORE 3.7 4.1 0.23 c0.300 <0.0> <0.900 <0.300 <0.400 <1.00 905 S 122 <11 <0.700 <0.300 ž 7/10/85 3079A 505746 5.0 <0.0> <0.900 c0.300 <0.400 <0.700× <1.00 c0.300 <0.300 BORE 6000 957 S ; 7/10/65 <0.0> SANPLE NUMBERS 3078A 3078B 505742 505743 <0.900 **c0.300** <0.400 c0.300 <0.300 BORE <4.7 c0.700 <1.00 9.7 0 줖 7/9/85 1.5 <0.0> <0.00 c0.300 c0.400 ¢0.300 c0.300 8 4.4 BORE **60.0** c0.700 <1.00 8.9 S ž 1/9/85 30778 505737 BORE 1:1 <0.0> <0.700 <0.300 <0.300 121 **40.**9 <0.900 <0.300 <0.00 <1.60 122 8 7 7 7/10/85 3077A 505736 BORE <0.300 113 S <0.900 0.967 <0.4CJ <6.700 **1.**00 <0.300 7/10/85 004.0> 12.5 <0.0> <0.00 c0.700 **61.**00 008.00 <6.30U 3076B 505731 <4.7 <0.300 815 122 417 7/10//85 3076A 505730 830 BORE 40.9 0.59 <0.900 3.22 c0.400 916.0 c0.330 30 <1.00 **60.330** 20 × 7 SAMPLES: ALL 7/10/85 1003 93644 1028 99156 99159 93766 12005 0320 93584 1043 1052 1093 11921 94356 94365 98364 93369 98361 90363 NE THOO SIORET 1.4 DXATHIANE (UG/G-DKY)
HERCURY, SED (UG/GORY)
ALDRIN-CT CUPPER, SED (UG/G-GKT) LEAD, SED (UG/G-DRT) LINCASED (US/6-URY) CHLURDANE, SEBCUG/6-ARSENIC, SED (UG/6-CADMIUM, SED (UG/G-DAY) CR, SQ1L (UG/G-DRY) SAMPLING TECHNIQUE DIELDRINGUG/G-DRY) ALDRINDSED (UG/G-DRY) DOE,PP (UC/G-URT) INSTALLATION CODE HUISTURE (ZWET HT) ENDRIN (UG/G-DRY) 001,PP*(U6/6-URY) SAMPLE DEFINICA) SAMPLE IYPE SITE TYPE 1 PARAMETERS DATE ITE

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SAMPLES: ALL

PROJECT NUMBER 84936300 FIELD GROUP: 3617X PARAMETERS: ALL SAMPL

PROJECT NAME SECTION 36 RMA PROJECT HANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDOLL

1110,65 119,65 179,65	3076A 535730 5	™ \	30768 505731	3077A 505736	30778 505737	SAMPLE NUMBERS 3078A 3078B 505742 505743	HBERS 30768 505743	3079A 505748	30798 505749	3080A 505754	30808 505755
113 727 844 900 847 902 734 CO.500 CO.500 3.522 CO.500 CO.500 <th>7/10/85 7/10</th> <th>12</th> <th>7/10/85</th> <th>7/10/85</th> <th>7/10/85</th> <th>119/85</th> <th>7/9/65</th> <th>7/10/85</th> <th>7/10/85</th> <th>112/85</th> <th>307271</th>	7/10/85 7/10	12	7/10/85	7/10/85	7/10/85	119/85	7/9/65	7/10/85	7/10/85	112/85	307271
60.500 60.500<	800		815	713	121	8 44	006	847	306	734	147
(0.300 (0.300) <th< td=""><td>96645 <0.500 Z</td><td>?</td><td>21.2</td><td><0.500</td><td><0.500</td><td><0.500</td><td>3.52</td><td><0.500</td><td><0.500</td><td><0.500</td><td><0.500</td></th<>	96645 <0.500 Z	?	21.2	<0.500	<0.500	<0.500	3.52	<0.500	<0.500	<0.500	<0.500
41.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <1.00 <th< td=""><td>066.0> 006.0> 34646</td><td><0.3</td><td>00</td><td><0.300</td><td><0.300</td><td><0.300</td><td><0.300</td><td><0.300</td><td><0.300</td><td><0.300</td><td><0.300</td></th<>	066.0> 006.0> 34646	<0.3	00	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
60.600 60.600	96647 <1.00 <1.00	4.	00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
CO.300 CO.300<	MALATHION (UG/G-DRY) 98648 <0.600 <0.600	<0.0	00	<0.600	009*0>	009*0>	009*0>	<0.09*0>	009*0>	009*0>	009*0>
<0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300<	94649 <0.300 <0.300	<0.3	2	<0.300	<6.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
<0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.300 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005<	98650 <0.300 <0.300	₹0>	9	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005 <0.005<	<0.330 <0.30	€6.3	0	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
<0.300	<0.00,005 <0.005	<0.00	10	<0.00	<0.00	<0.00>	<0.00>	<0.00>	<0.00>	<0.00	<00.00
<0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400 <0.400<	98653 <0.300 <0.300	<0.300		<0.300	<0.300	<0.300	<0.300	<0.300	<0*300	<0.300	<0.300
<0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700<	08654 <0.400 <0.400	<0.400		<0.400	004-0>	004-0>	<0.400	<0.400	<0.400	<0.400	004*0>
<0.500 <0.500 <0.500 <0.500 <0.500 <0.500 <2.00	98655 <0.700 <0.700	<0.70		<0.700	<0.700	<0.700	<0.700	<0.700	<0.700	<0.700	<0.70
<2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <2.00 <0.700	94656 . <0.500 <0.500	<0.500		<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
<0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700 <0.700<	98657 <2.00 <2.00	<2.00		<2*00	<2.00	<5.00	<2.00	<2*00	<2.00	<2*00	<2.00
NA N	98658 <0.700 <0.700	<0.100		<0.700	<0.700	<0.700	<0.700	<0.100	<0.700	<0.700	<0.700
NA MA NA	94,680 NA NA	N.		¥*	NA	×	X	K X	W.	N	¥
NA N	AN AN	¥ Z			¥.	N	¥.	¥	¥ Z	4	¥
NA N	NA NA	¥ #		AN	¥	₹	KK	NA.	X X	K	Z
KA TA NA	NA NA	¥.		N	≪ N	¥X.	NA	4	¥	K K	X X
AN AN AN AN AN	e z	Z		NA	4	Z	N.	¥ X	×	K	NA.
	94686 NA NA	×		N.	¥	A.	X	A R	**************************************	Z.	Z.

ENVIRDANENTAL SCIENCE & ENGINEERING 01/27/86

PROJECT NUMBER 84936300 FIELD GROUP: 3617X PARAHETERS: ALL SAMPLES: ALL

PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISTLER/BERGOOLL

STATUS: PRELIMINARY

<0.300 164023 2186952 7/2/85 <0.300 184023 21 66 952 3060A 505754 Ĭ ₹ ĭ ĭ ĭ Ĩ 7/2/85 <0.300 2166346 ĭ ž 184025 30798 505749 7/10/85 184025 2186346 3079A 505748 ž <0.300 ĭ ¥ Ž Ĭ 3 7/10/85 <0.300 2185793 184001 SAMPLE NUMBERS 3078A 3078B 505743 ž ₹ 119/85 2185793 <0.300 ₹ 164001 ž Ĩ 7/9/85 <0.300 183723 2185903 Ĭ 30178 505737 ĭ ž 7/10/85 <0.300 183723 2185903 3017A 505736 7/10/85 <0.300 183868 2186200 Ĭ 뚶 × 30768 505731 ž 7/10/85 183868 3076A 505730 <0.300 2186200 ĭ Z ž 7/10/85 (UG/G-DRY) 0 10101-TRICHLORGETHAN 94692 10102-TRICHLORGETHAN 98693 E(UG/G-D) 0 90082 98698 98698 96906 94699 93700 16906 90103 98392 9006 38088 98689 98690 98393 9006 \$2006 STURET # 16996 IRANS-1,2-DICHLORGET 90601 RE THUD HETHYLENE CHLORIDE (UG/G-ORY) TETRACHLORGETHENE (Uů/ů-DRY) BENZENE (UG/G-DAY) U-AND/OR P-XYLENE (UG/6-ERY) PCPMSOZ UG/6-ERY COURDINATE, N/SCSTP) COORDINATE, E/H(STP) ETHYLBENZENE ETHYLBENZENE 106/6-5AY) (US/6-DRT) (UG/G-DRY) TRICHLORGE THENE UHK629 (UG/G) UNK633 (UG/G) UNKS42 (DG/6) UHK635 (UG/G) PARAMETERS M-XYLENE TULUENE MIBK DMOS DATE 311

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	30808 505755	1/2/85	141				•										
	3080A 505754	772/85	134						•	¥ 3°56							
11009	30798 505749	7/10/85	905														
STATUS: PRELIMINARY PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGOOLL	3079A 505748	7/10/65	647														* 1.05
ELTHINARY SECTION GER: BILL LEADER: GE	MBERS 30788 505743	7/9/85	006													A 6.50	
STATUS: PRELIHINARY OJECT NAME SECTION OJECT MANAGER: BILL ELD GROUP LEADER: G	SAMPLE NUMBERS 3078A 307 505742 505	119185	344							# 1.49						•	
RR	30778 505737	2/10/65	121		_					٠	-		•				
997/27/10	3077A 505736	1/10/85	71.3							4 4.01							
	30768 505731	7/10/85	615					•		•							
NGINEERING 6300 SAMPLES: ALL	3076A 505730	1/10/85	800														
DNMENTAL SCIENCE & ENGINE PROJECT NUMBER 04936300 FIELD GRUUP: 3617K PARAMETERS: ALL SAMPI	SIORET #	METHUD #		90083	3006	90066	90116	61006	6006	01006	26006	90036	90121	90013	90108	68006	90123 0
ENVIRONMENTAL SCIENCE & ENGINEERING PROJECT NUMBER 84936300 FIELD GROUP: 3617K SAMPLES: AL	PARAHETERS	DATE	TINE	19/90) 189XND	UNK533 (UG/G)	UNK609 (UC/G)	UNK513 (UG/G)	UNK530 (66/6)	UNK555 (UG/G)	(9/9n) 419xn	UNK523 (UG/G)	UNK567 (UG/G)	UNK575 (UG/G)	UNK618 (66/6)	UNK619 (UG/6)	UNK637 (UG/6)	UNK536 (UG/û)

STATUS: PRELIMINARY	PROJECT NAME SECTION 36 RMA PROJECT MANAGEN: BILL FRASER FIELD GROUP LEADER: GEISZLER/B
01/21/86	
ENVIRUNMENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 04936300 FIELG GROUP: 3617x PARAHFIERS: ALL

FIELD GROUP: 3617X PARAHETERS: ALL		SANPLES: ALL			æ.E	DJECT HANA ELO GROUP	PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGOOLL	FRASER Iszler/beri	77009		
PARAHETERS	STURET #	3080C 505756	30 800 505 757	3081A 505 760	30818 505 <i>1</i> 61	SAMPLE NU 3082A 505766	NUMBERS A 30828 66 505767	81K 505780	8LK 505781	BLK 505782	8LK 505763
DAFE	NCTHUD #	112185	312/85	01/02/85	07/02/85	3177.65	712.185	7/1/85	7/8/85	7/10/85	201611
IINE		811	833	1252	1313	953	1006	0	0	0	0
SAMPLE TYPE	66672	OS.	80	20	20	20	SO	20	SO	SO	SO
SAMPLE DEFINICHI	99758	513	423	3	122	0	122	0	0	0	0
SITE TYPE 1	99759	BORE	BURE	BORE	BORE	BORE	BORE	QCMB	gcns	gcHB	GCMB
INSTALLATION CODE	02186 0	××	R	R	×	R	8	æ	*	æ	æ
SAMPLING TECHNIQUE	\$00ZL	S	S	S	· v s	S	S	9	9	9	ی
HOISTURECZHET HT)	7032 <u>0</u>	8.1	20.5	4.6	8.5	5.1	5.5	0.2	2.0	2.0	2.0
CADNIUM, SED (UG/G-	1028	1.0	<0.9	0.7	<0*2	6.0>	6.0>	*	¥ x	*	X X
CRASGIL (UG/G-DRY)	9956¢	•	\$	5 1	13	(>	12			¥	K.
CUPPER, SED CUG/6-	1043	6	36	15	12	5	•			₹ 2	N.
LEAD, SED (LG/G-ORY)	7501 (417	13	19	91>	41)	11			¥ z	e z
ZINC, SED (UG/G-GRT)	1093	38	99	39	39	35	4.8			¥	e z
ARSENIC, SEL (UG/G-	1003	· <4.7	<4.1	<5.2	<5.2	(4.7	5.1			×	¥.
NERCURY, SEU CUG/G-	17617	<0.0>	90•0	<0.07	<0.0>	<0.05	<0.0>			NA	Y.
ALDRINDSED (UG/G-	98356	<0.90	<0.900	<0.500	<0.500	<0.900	<0.900	<0.900	<0.900		
DIELJRIN(UG/G-DRY)	98365	<0.300	<0.300	<0.600	009*0>	<0.300	<0.300	<0.300	<0.300		
061,880(66/6-081)	98364	<0.400	<0°**00	<2.00	<2.00	<0.400	<0.400	<0.400	<0.400		
ENDRIN (UG/G-DRY)	69886	<0.700	<0.100	<4.00	00 * \$>	<0.100	<0.700	<0.700	<0.700		
CHLORDANL SECTOLOGIG-	- 95361	<1.00	<1.00	66.0 0	00°9>	<1.00	<1.00	<1.00	<1.00		
006,PP*(56/6-URY)	98363	<0.300	<0.300	<0.500	<0.500	<0.300	<0.300	<0.300	<0.300		
1.4 UXATHIANE (UG/G- 98644 ORY)	944986 - 9	<0.300	<0.300	<0.500	<0.500	<0.300	<0.300	<0.300	<0.300		

01/23/86
N SCIENCE & ENGINEERING
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ENVIRUNHENIAL

STATUS: PRELIMINARY

	81.K 505.783	719185	0																				
	81K 505782	7/10/85	0								<0.00												
71005	81K 505781	7/8/85	0	<0.500	<0.300	<1.00	009*0>	<0.300	<0.300	<0.300	<0.00>	<0.300	<0.400	<3.700	<0.500	<2.00	<0.700						
S6 RNA FRASER ISZLER/BERI	8LK 505780	7/1/85	0	<0.500	<0.300	<1.00	009*0>	<0.300	<0.300	<0.300	<0.005	<0.300	004-0>	<0.700	<0.500	<2.00	<0.700	<0.300	<0.300	0.945	<0.300	<0.300	<0.300
CT NAME SECTION 36 RMA CT MANAGER: BILL FRASER GROUP LEADER: GEISZLER/BERGOOLL	NUMBERS 30828 6 505767	1/2/85	1006	<0.500	<0.300	1. 00	009*0>	<0.300	<0.300	<0.300	<0.00>	<0.300	*********	<0.700	<0.500	<2.00	<0.700	X X	N.	N.	XX	¥ Z	4
PROJECT NAME PROJECT NANAC FIELO GROUP A	SAMPLE NUI 3082A 505766	312165	953	<0.500	<0.300	<1.00	009*0>	<0.300	<0.300	<0.300	<0.00	<0.300	004*0>	<0.700	<0.500	<2.00	<0.700	¥ Z	X X	X X	¥	K	×
PRE	30818 505761	07/02/85	1313	<3.00	<0.300	<1.00	<2.00	009*0>	<2.00	00*9>	<0.00>	<0.300	<1.00	<0.500	006*0>	<3.00	<2.00	Z	Z Z	Z.	Y N	X.	¥
	3081A 505760	07/02/85	1252	<3.00	<0.300	<1.00	<2.00	<0.00	<2.00	00*9>	<0.00	<0.360	<1.00	<0.500	006*0>	<3.00	<2.00	NA	¥	X X	¥.	¥	NA
	30800 505757	372765	833	<0.503	<0.300	<1.30	009*0>	<0.300	<0.300	<6.300	<0.03	<0.300	<0.00	<0.700	<0.500	<2.00	<6.70	<0.300	<0°100	<0.300	<0.330	<0.300	<0.300
6300 SAMPLES: ALL	3080C 505756	112185	811	<0.500	<0.30	<1.00	°009*0>	<0.300	<0.300	<0.300	<0.00	<0.300	004-0>	<3.700	· <0.530	<2.00	<0.700	<0.300	<0.330	<0.330	<0.300	<0.300	<0.300
493630(X SAHI	REI #	# 001		98645	98646	0 1 1 1 1 1 1 1	98648	64996	0 0 0	0 98651	0 0 0	0 98653	98654	98655	93986 0	08657	9865 <u>8</u>	9 46 80	986a <u>j</u>	9868 <u>2</u>	η 9α6Β 3	98684 0	98686 U
8ER 4 : 3617	STURET	NE THOO				-9/9n	-URT			NE (U	-9/9A	SULFI					-9/90				~ .		2 2
PROJECT NUMBER 04936300 FIELD GROUP: 3617X PARAHLIERS: ALL SAMP	PARANETERS	DATE	LINE	OINP (UG/G-DRY)	DICHLORVOS CUGZG	HEACLCHYFENUT CUG/6- 98647	DRY) HALATHIUN (UG/G-URY)	ISUDKIN (UG/G-DRY)	1.4 SITHIANE (UG/G-	DICYCLOPENIADIENE (U 9865)	G/G-OR DBCP(NEHAGGN) (P-CLPHENTLHETHYSULFI 96653	P-CLPHENTLHE THYSULFU	AIRAZINE (UG/G-URY)	SUPDIA (DG/G-BRT)	DHHP (UG/G-DRY)	ETT*PAKATHION (UG/G-	CARBON TETRACHLORIDE	CHLUROBENZENE	CHLOROFORH	CCG/G-DK()	1,2-DICHLORUETHANE	BICYCLOHEPTADIENE (UG/G-2RY

4, .

		BLK 505783	3/9/85	0																				
		BLK 505782	7/10/85	0																				
	11005	8LK 505781	7/8/85	0														<0.300						
	PROJECT NAME SECTION 36 RMA Project Manager: Bill Fraser Field Group Leader: Geiszler/Bergdoll	81.K 505.780	21/1/85	0	<0.300	<0.300	0.903	<0.300	<0.300	0.555	<0.300	<0.300	<0.300	<0.500	<0.300	<0.300	<0.500	<0.300			``·.			
ELIMINARY	SECTION GER: BILL LEADER: GE	HBERS 30828 505767	112/85	1006	K K	X X	¥ X	¥N.	×	A S	*	N.	N	N	Z Z	NA	K Z	<0.300	184168	6602917				
STATUS: PRELIMINARY	DJECT NAME DJECT MANA ELD GEDUP	SANPLE NUMBERS 3082A 3082B 505766 505767	317165	953	¥ Z	Z	4 2	Z	K.	YN .	*	¥.	4	4 2	NA A	*	¥N	<0.300	184168	2187099				
	22.1	30618 505761	0 1/02/85	1313	N.A.	¥	Z	N	¥N	¥	4 2	NA	Z Z	e z	4 %	Z.	¥	005.0>	184017	218 7556	0.437	0.765		
01/27/66		3081A 505760	01/02/65	1252	X X	¥	*	¥ 2	Z Z	¥ z	A X	NA	X X	N.	NA	K	Z Z	<0.400	184017	2187556	0.314	0.419		
		30800 505757	312.185	633	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.500	<0.300	<0.300	<0.500	<0.300	164023	2186952				
ENGINEERING	6300 SAMPLES: ALL	3080C 505756	312785	971	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.330	<0.308	<0.300	<0.500	<0.300	. <0.300	<0.500	<0.300	184023	2186952				
٠	93	STORET #	RETHUD #		9 468		9366	6986	6986		1AN 96693	96996 46996	94695	96996	986	66986	9370	93763	98392		90065	9008	\$2006	9.00d 2 0
ENVIRUNMENTAL SCLENCE	PROJECT NUMBER 09 FIELD GROUP: 3617X PARAMETERS: ALL	PARANETERS	DATE	FINE	TRANS-1,2-DICHLORUE	ETHYL BENZENE	METHYLENE LHLORIDE	TETRACHLORUETHENE	TOLUENE (UG/U-5KT)	LOLOR TO THE TOTAL OR OF HAN	APLOZ-TRICHLURUETHAN	TRICHLORGE THENE	H-AYLENE (U6/6-DKI)	MISK NOT STATE OF THE STATE OF	CHO-07901 SONO	SENZENE (UG/G-DRY)	0-AND/OR P-XYLENE	PCPMSG2 UG/G-DRY	COORDINATE, N/S(STP)	CUORDINATE, E/H(STP)	URK633 (06/6)	UNK635 (66/6)	UNK542 (UG/G)	UiK629 (UG/G)

STATUS: PRELIMINARY	PROJECT NAME SECTION 36 RNA PROJECT HANAGER: BILL FRASER FIELD GRUUP LEADER: GEISZLER/BERGOOLL
99/17/10	
ENVIRUNMENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 64936300 FIELG GRUUP: 3617X PARAHLIERS: ALL SAMPLES: ALL

8LK 505783 1/8/85 1/10/85 1/9/85 8LK 505782 81K 505781 8LK 505780 7/1/85 * 1.56 SAMPLE NUMBERS 3082A 3082B 505766 505767 4 19.3 1006 7/2/85 01/02/85 01/02/85 112/85 953 30818 505761 1313 3081A 505760 1252 30800 505757 833 £ 5.63 7/2/85 3080C 505756 112/85 118 90092 90036 90121 90073 90073 90105 STURET # ME (1410 # 90063 90021 9006 90116 90116 8006 90006 UNK575 (UG/G) UNK618 (UG/G) UNK619 (UG/G) UNK513 (66/6) UNK530 (UG/G) UNK614 (UG/G) UNKS67 (UG/G) UNK637 (UG/G) UNK609 (UG/G) UNKSSS (UG/G) UNK523 (UG/G) UNK631 (UG/6) URK533 (UG/G) PARAHETERS DATE IIRE

96123

UNK538 (UG/G)

0
RING
E ENGINEERIN
SCIENCE
ENVIRONNENTAL

PROJECT NUMBER 84936300 FIELD GROUP: 3617X PAKAMETERS: ALL SAMPLES: ALL

					•																
61K 505792	01/02/85	9	SO	0	1 CMB	RK	9	2.0	₩.												
6LK 505791	07/02/85	0	SO	0	4CMB	R	· ·	5.0	X X										-		
81.K 505790	07/02/85	0	SO	0	ųC#8	RK	9	2.0	N						<0.07	<0.500	<0.609	<2. 00	*** ** ** * * * * * *	00•9>	<0.500
STURET #	HETHUD #		11999	99758	99159	99720	72005	70320	1028	99566	1043	1652	1093	1003	11921	98356	96365	90364	98369		98363
SI	苦			(CH)		COVE	HNIAUE	CIH I	-9/9n)	יכ-סאגז	-9/9n	3/6-0KT)	3/6-0kT)	-9/90)	-9/90)	-9/9/1	G-DRY)	5-GRY)	3-DRY)	-9/9030	-okt
PARAMETERS	DATE	TIME	SAHPLE TYPE	SAMPLE DEPINICH)	SITE 1TPL 1	INSTALLATION CODE	SAMPLING TECHNIQUE	HOLSTURE(ZWET HT)	CADMLUM, SED (UG/6-	OSUIL (UG)	CGPPEK, SED CUG/6-	LEAD, SED (UG/G-DKT)	ZINC, SED (UG/G-OKY)	SEAIC, SED	MERCURY, SED (U6/6-	ALORIN, SED (UG/6-	VIELDRINGUG/G-DRY)	001,PP (UG/G-GRY)	ENDRIN (UG/G-DRY)	CHLURDANL'SECCUGIG	JE , PP • (UG/
Δ.	- 3	=	- 7	5	7	=	- 23	₹	3	=	Ξ	=	~	₹	Ĕ	~	3	=	<u></u>	さ	a

STATUS: PRELIMINARY

PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GRUUP LEAGER: GETSZLER/BERGDOLL

SAMPLE NUMBERS

<0.500 <0.530

1,4 OXACHIANE (UG/G- 98649 OKY)

ENVIRUNMENTAL SCIENCE & ENGINEERING	01/21/86	STATUS: PRELIMINARY
PRUJECT NUMBER 84936300		PROJECT NAME SECTION

PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELU GROUP LEADEK: GEISZLER/BERGDOLL

SAMPLE NUMBERS

CMLORUBENZENE 98681 (UG/G-DRY) UCALURUFÜKH 9662 (UG/G-DRY) UCALURUFÜKH 9662 (UG/G-DRY) UCALURUFÜKH 9662

STATUS: PRELIMINARY	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GRUUP LEADER: GEISLER/
01/21/86	
ENVIRUNHENTAL SCIENCE, & ENGINEERING	PROJECT NUMBER 84936300 FIELD GRUUP: 3617K PARAMLTERS: ALL SAMPLES: ALL

81.K 505792 07/02/85 01/02/85 01/02/85 BLK 505791 8LK 505790 STURET # HETHUD #

<0.400 0.948 (UG/G-DKY) 0 1,1,1-TRICHLOROETHAN 98692 E(UG/G-D) 0 1,1,2-TRICHLORUETHAN 98693 E(UG/G-D) 0 06986 93793 0 98392 90694 98698 96 700 0 98393 90085 9008 93695 96996 98697 0 93691 D-AND/OR P-XYLENE (UG/G-DAY) PCPHSUZ UG/G-0RY TRICHLORDETHENE (UG/G-DRY) COORDINATE, 11/5(STP) COORDINATE, E/A(STP) (UG/G-DRT) (UG/6-DRY) BENZENE (UG/G-DRY) UNKS42 (UG/G) UNK633 (UG/G) UNK635 (UL/G) PARAHETERS H-XYLENE MIBK DHOS DATE TIME

UNK629 (UG/G)

/BERGDOLL

SAMPLE NUMBERS

STATUS: PRELIMINARY	PROJECT NAME SECTION 36 RNA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGOOLL
01/21/86	
ENVIRONMENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 3617X PARAMETERS: ALL SAMPLES: ALL

SAMPLE NUMBERS

PARANETERS	STORET N	BLK 505790	61K 505791	BLK 505792	•
DALE	NETHUD #	01/02/85	01/05/85	31/02/85	
TINE		9	0	0	•
UNK631 (UG/G)	9006				
UNK533 (UG/G)	90621	1.22			
UNK609 (UG/G)	99006				,
UNK513 (UG/G)	90116				
UNK530 (UG/G)	61906				
UNK555 (U6/G)	16006				
UNK614 (UG/G)	90070				
UNK523 (UG/G)	90092				
UKK567 (UG/G)	90039				
UNKS75 (UG/G)	90121				
UNK618 (UG/G)	90013 1009				
UNK619 (UG/G)	9010§				
UNK637 (UG/G)	68006				
UNK538 (VG/G)	90123 0				

ENVIRONNENTAL SCIENCE & ENGINEER	E ENGI	NEERING	_	01/11/86		STATUS: PRELIHIKARY	ELINIKARY				
PROJECT NUMBER B FIELD GROUP: 3617 PARAMETERS: ALL	£633	6300 Samples# all			227	PROJECT NAME PROJECT MANA FIELD GROUP	NAME SECTION 36 RMA MANAGER: BILL FRASER KUUP LEADER: GEISZLER/BERGDUL	S6 RMA FRASER ISZLER/BERI	11009		
PARAMETERS STU	STURET #	3083A 505800	30838 505801	308 3C 505 802	30830 565803	SAMPLE NU 3063E 565604	NUMBERS 3084A 4 505306	30848 5ú5807	3094 6 585866	30840 565809	3035A 5.15312
DATE	METHUD #	07/03/85	01/03/85	07/03/85	63763785	07/03/85	77.97.85	319185	719785	779755	257671
ITHE		813	978	848	906	946	6001	1627	1049	1137	124
DIMP (UG/6-ORY)	38645	<3.00	<3.00	<3.00	<3.00	<3.00	<0.500	<0.500	0)(*)>	005.0>	43.53f
OLCHLORVOS CUG/G	98646	<0.330	<0.300	<0.300	<0.300	<0.300	<0.300	<0.130	<0.300	008*95	<3,138
HEXCLCYTFENDI (UG/G-	93647	<1.00	<1.00	<1.00	<1.00	11. 00	<1.00	30.1>	<1.00	c1.00	ng•1>
UKT3 MALATHION (UG/G-DRY)	98648	<2,00	<2.00	<2.00	<2.00	<2.00	<0.09*0>	<0.600	<0.00	039*0>	< ù• 5 41)
ISODRIN (UG/G-DRY)	93649	009*0>	009*0>	009*0>	009*0>	009*9>	<0.300	<0.50 €	<0.300	<6.300	<0.330
134 DITHIANE (UG/G-	94650	<2.00	<2.00	<2.00	<2.00	<2.00	<0.300	<0.330	<0.300	₹6,350	ce, 300
DICYCLOPENTADIENE (U	98651	00*9>	00*9>	00*9>	00.3>	00°9>	<0.300	<0.300	<c.308< th=""><th><6.30U</th><th>< v. 130</th></c.308<>	<6.30U	< v. 130
	0 0 0	<0.00	<0.00>	<0.00	<0.00	<0.00>	<0.00>	<0.00	<6.305	<0.965	<0.135
P-CLPHENYLHETHYSULFI	98653	<0.300	<0.300	<0.300	<0.300	<0.300	< 0.30€	<0.300	<6.530	26€,38€	44.330
P-CLPHENYLNETHYSULFU	98654	61.00	<1.00	<1.00	<1.00	09*1>	<0.400	00 , * 0>	994*9>	<0.463	<.0.4±0
ATRAZINE (UG/G-DRY)	94655	<0.500	<0.500	<0.500	<0.500	<0.500	<0.100	<0.700	46.769	<0.700	C. 103
SUPONA (LG/G-ORY)	93656	<0.930	<0.900	096*0>	<0.900	006*3>	<0.500	<0.506	c. 500	035°C>	<0.500
DHNP (UG/G-ORY)	98651	<3.00	<3.00	<3.60	<3.00	<3.00	<2.00	<2.00	< 2.00	63.5>	<2.33
EIY*PARAIHIUN (UG/6- 98658	98658	<2.00	<2.00	<2.00	<2.00	<2.00	<0.700	<0.700	<0.763	<0.766	<0.150
CARBON TETRACHLORIDE	98680	NA .	4	N.	¥	<0.400	NA	Z.	306.954	*<3,360	27 27
CHLUROBENZENE CHLUROBENZENE	98681	N.	¥	KA	¥.	<¢.300	A X	₹ ₹	4<6.300	4<0.366	K.i
CHLOREFURM	98682	¥ X	N	N.A	X X	<0.700	42	AN.	4<0.300	4<0.10	7.5
LOI-DICHLERDELHANE	98683	N.	X X	×	×	<0.500	NA	4	#<0.3CO	*<0.30d	<u> </u>
T.2-DICHLCROETHANE	98684	X.	¥.	Y	₹ Z	<0.400	Z Z	¥ x	008.0>4)){**;	433
BICYCLOHEPTADIENE (UG/G-DRY)	98686 G	X X	Z	X	Y.	*************************************	₹ Z	Z Z	* <c.300< th=""><th>00€°3>∀</th><th></th></c.300<>	00€°3>∀	

ENVIRUNMENTAL SCIENCE & ENGINEERING	E ENGIN	WEERING	J	01/11/86		STATUS: PRELIMINARY	ELIMINARY				
PROJECT NUMBER 84936300 FIELD GROUP: 3617Y PARAMEJERS: ALL SAMP	14936300 17 SAHF	6300 Sahples: All			X Z I	PRUJELI NAME SELILON 30 KMA PROJECI MANAGER: BILL FRASER FIELD GRUDP LEADER: GEISZLER/BEFGDULL	SER: BILL F LEADER: GEI	S KNA FASER ISZLER/BEFO	รอบเ		
PARAMETERS STO	STORET #	3083A 505600	30838 505801	3083C 505802	30630 505803	SAMPLE NUNBERS 3063E 3064A 505804 505806	13ERS 3064A 505806	30848 505337	3084E 505808	30540 505609	31358 565812
DATE	HETHUD N	01/03/85	07/03/65	01/03/65	07/03/95	07/03/85	719785	7/9/85	719.195	319115	318785
II WE		613	979	8 4 4	906	946	1009	1027	1040	1137	. 427
IRANS-1,2-DICHLORGET	98667	N.	×	¥ ×	4.4	<0.500	N	₹N	M<0.300	4<6.300	55
ENYLBENZENE	0 99996	4 %	Y.	¥ X	NA	604-8>	KN .	Z Z	996.3>*	ŋ){* 6>*	\$
(UG/G-DRY)	0 98689	Z.	W	Z	X		A'A	N	4<1.30C	536-5>+	***
(UG/G-DRY) TETRACHLORUETHENE	06996	¥ %	N N	¥ Z	¥ K	<0.500	A	¥.Z	4<0.36C	*<6.300	¥7
TOTUENE (UG/G-DRY)	16986	¥ Z	X X	Ž	¥ *	<c.330< th=""><th>*</th><th>4 2</th><th>\$<0.35C</th><th>846.35B</th><th>å. øX</th></c.330<>	*	4 2	\$<0.35C	846.35B	å. øX
(UG/G-DRY)	0 93692	×	X	NA	A	<0.500	NA NA	W.	101°0>4	4<0.300	T.
E(UG/U-D) 1,1,2-1,61CHLORUETHAN	0 98693	¥	N.	A	X	039*3>	¥2	Z.	4<[.300	008.0>4	44. 2 ⁻
LCUG/6-D)	98694 0	¥ z	¥#	N	¥ Z	009*3>	A Z	A X	*<6.36U	4 < 0.300	e Z
(UG/G-URT)	0 98698	Z	N.	NA	×	<0.300	X.X	47.	# <c.3c0< th=""><th>*<0.3C0</th><th>P. U</th></c.3c0<>	*<0.3C0	P. U
	0 99968	. W	¥.	N.	¥	004*3>	×	×	4<£.5¢6	*<0.5CU	<u> </u>
	0 98697	K Z	¥	×	X	00**>	N	Z	* <c.328< th=""><th>4 < C . 30 C</th><th>7</th></c.328<>	4 < C . 30 C	7
(UG/G-DRY) BENZENE (UG/G-DRY)	0 98986	Z	×	N	X	<1.00	2	**	*< 6. 300	*<0.360	Ē
G-AND/OR P-XYLENE	0 987u0	¥ Z	¥ N	NA	X.	<0.500	N.	et X	4<6.500	*<6.588	₹
CPNSOZ UGZG-DRY	0 98703	<0.400	<0.400	<0°400	0040>	<0.400	. <0.300	¢0*30¢	<6.300	<0.300	<0.333
CUURDINAIE, NISCSIP)	7 98 98 98	184169	184169	184169	184169	164169	184172	184172	134172	211681	13,313
CUURDINATE, E/M(STP)	98393 0	2186500	2186500	2186500	2186500	2166500	2185903	2165903	2185903	\$365817	2139512
UNK620 (UG/G)	\$4.006	19.2	¥	K	¥ z						
UNK635 (UG/G)	9006	1.39	0.953	0.641	9.17	13.8					
UNKS82 (UG/G)	92045	1.28							•		
UNK576 (UG/G)	0,000	1.1									

PROJECT NAMER 9793500 PROJECT NAMER STALL FRESSE	ENVIRUNMENTAL SCIENCE & ENGINEERIN	CIENCE E ENGI	NEERING		98/11/10		STATUS: PRELIMINARY	ELIHINARY				
SINREL # 5055000 505500 505500 505500 505500 505500 505500 505500 505500 5055000 5055000 5055000 5055000 5055000 5055000 5055000 5055000 5055000 5055000 505500 505500 505500 505500 505500 505500 505500 505	PROJECT NUP FIELD GROUP PARANETERS:	18ER 8493630 2 3617Y 3 ALL SAM	LES			44. T	IGJECT NAME 10 JECT NANA ELO GROUP	SECTION GER: BILL LEADER: GE	36 RHA Fraser Iszler/der	11899		
#EFHUD # 01703765 07703765 07703765 1779765 179765	PARANETERS		3083A 505800	30838 505801	3083C 505602	30830 505803	SAMPLE NU 3083E 505304	HUERS 3084A 505806	33848 5658U7	3084C 565808	3C640 5 US & G9	30854 505312
90044 0.854 0.864 946 1009 1027 1549 90050	DAJE		07/03/85	07/03/85	07/03/85	07/03/65	07/03/85	719785	119/85	719785	719785	WW
90064 0.454 90064 0.456 90060 NA 0.212 0.456 90070 NA 0.212 0.456 90070 NA 0.222 90041 NA 0.229 90041 NA 0.229 90042 NA 0.229 90051 NA 0.229 90052 NA 0.222 90052 NA 0.222	TINE		813	979	949	906	946	1009	1057	1049	1137	
90056 HA 6-47 10-3 90064 HA 0-212 0-456 0-376 90070 HA 0-212 0-376 90070 HA 0-212 0-376 90041 HA 0-212 0-376 90042 HA 0-229 90043 HA 0-229 90051 HA 0-229 90051 HA 0-220 90052 HA 0-220 90053 HA 0-220	UNK58G (UG/G)	99006	0.854									
90064 NA 0=212 0=456 0=376 90070 NA 0=212 0=602 0=376 90043 NA 0=222 0=229 9005 NA 0=222 0=376 9005 NA 0=222 0=376 9005 NA 0=229 9005 NA 0=222	UNK589 (UG/G)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	¥	6.41		10.3		٠				
9u070 9u070 9u043 NA 9u043 9u043 9u045 9u045 9u049 0u070 9u070 9u070 9u070 9u070 9u070 9u070 9u070 NA 9u070 9u070 NA NA 9u070 NA	UNK632 (UG/G)	99006 0	×	0.212		0.458	0.376					
9 JUG 2 9 JUG 3 9 JUG 43 9 JUG 43 9 JUG 54 9 JUG 55 9 JUG 55 9 JUG 57 9 JUG 57	UNK614 (UG/G)	90000	¥			0.802	0.376			+ 1.74		A 2.36
9uút3 NA 9uút2 0 9uút2 0 9uút2 0 9uút2 0 9uút3 0 9uút3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(9/9A) 629XNN	91682					0.376					
90040 90040 90019 90019 90030 90030 90051 90051 90051 90051 90051	UNK579 (UG/G)	5 19006	×			0.229						
90015 90018 90018 90018 90018 90018 90018 90018 90018 90018 90018 90018	UNK577 (UG/G)	90041	N			٠						
79006 0 0010 0 0 0 0	UNK578 (86/6)	9:0042	¥									
90016 90033 90033 90033 90051 90051 90053 90053 90053	UNK623 (66/6)	9,007	Y X							,	•	
91033 91033 91039 91039 91051 91051 91053 91053	UNK525 (UG/6)	91006	Y N									
79006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UNK562 (UG/G)	90033	¥			•-	-					
90036 90048 90048 90059 90059 90059	UNKS67 (LE/G)	91036	4									
90039 90049 90051 90053 90053 90053 90053	UNKS69 (UG/G)	90038	N.									
90048 90051 90051 90054 90059 90059	UNK574 (UG/G)	9009	¥						`.			
90051 90053 90053 90054 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UNKSBB (UG/G)	64006	¥ X						•••			
79006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UNK591 (CC/G)	15006	X X									
29006 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UNK594 (UG/G)	8006	*									
29006 0 29006	UNK595 (UG/G)	99008	×									,
29006	UNX 600 (UG/G)	15006 1	H							,		
	UNK605 (LG/G)	2 9006	N.									

		36314 535513	67.57.35	115	SC	cu .		X.	٠,	7:1	6.0	2		Ð.	7	C*5	3 € £	\$ ⁴ , 1√8	6 at • 35	(d. 4.23	40.100	36.15	€5°33#	<1.13F3
		33456 565837	6723765	1010	95	221	بيا دور دور دور	æ	S	16.4	6°3>	4.	∞	13	45	< 4.J	<0.05	236-9>	<0.30¢	735*0>	ec. 100	11. C	€6• 390	<0°30°
	1160	3089A 515836	815219	1366	20	ສ	3386	R.W.	vi	(• 3	€ છે>	=	1	<17	ŵ,	16	02*9	006.9>	6.744	93 5. 93>	<6.709	63.2	<6.30¢	058.35
	DN 36 RHA LL FRASER GEISZLERZERGOOLL	30888 505631	7/8/85	1961	Sú	122	BLAE	Ŧ.	v,	9.9	6.0>	2	5	417	31	(4.)	<0.0>	De6-3>	<0.306	<0°,400	<0.730	<1.00	<0.300	<0.300
PRELIMINARY	CI NAME SECTION 3 CI MANAGER: BILL F GPUGP LEADER: GET	numbers 3080a 5 505330	778785	1025	20	.	BURE	æ	S	4.3	6.0>	70	•9	(1)	30	(4.1	<0.0>	006*0>	<6.300	<0.400	<0.760	<1.00	<0.300	
STAIUS: PRE	PROJECT NAME PROJECT HANAG FIELO GRUUP L	SAMPLE NUT 30878 505825	77.87.85	456	SO	122	BORE	FK	S	3.2	6.0>	80	\$	(1)	2.8	¢\$.1	<0.0>	<0.900	<c.303< th=""><th>\$\$\$.</th><th><0.790</th><th><1.00</th><th><0.300</th><th>(C. 30 G</th></c.303<>	\$\$\$.	<0.790	<1.00	<0.300	(C. 30 G
S	PRO PRU FIL	3087A 505824	118185	246	98	9	BORE	æ	S	5.3	<0°0	Ç	9	(1)	17	(4.)	<0.0>	<0.900	<6.30U	004-0>	<0.700	<1.00	<0.300	<0.300
01/11/86	•	30868 505819	01/03/85	1111	SO	122	BORE	RK	S	25.1	12.6	33	711	150	2480	<5.2	1.22	<50.0	0.09>	002>	<100	009>	<56.0	<50.0
0		3086A 505618	07/03/85	1011	80	9	BORE	æ	S	12.7	1.8	15	17	96	711	<5.2	0.13	<0.500	069.0>	<2.00	00° 5 >	<6.33	<0.500	<0.500
EERING	6300 Sahples: All	30858 505813	1/9/85	141	8.0	221	BURE	RK	S	3.5	<0.0>	•	5	41)	67	<4.1	<0.0>	<0.900	<0.300	<0.400	<0.100	<1.00	<0.300	008°0>
INCE E ENGIP	.F. 84936300 36177 36177 3AHF	STURET	HETHUD #		66671	99156	99759	. 99720 E 99720	5007 <i>L</i> 30	0 0250 <i>t</i> (0 -9 1028	0 \$958 4	1043	0 RTJ 1052	U RY) 1093	9 9 9 9 9		95886 -	_		0 98369		0 96363	0 94996 - 9/91
ENYTRONNENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 36174 PARAMETÉRS: ALL SAMPI	PAKANETERS	Dùlê	1126	SAMPLE TYPE	SANPLE CEPTHICH)	SITE ITE 1	INSTALLATION CUDE	SAHPLING TECHNIQUE	NOISTURE(ZWET AT)	CADALUM, SED 106/6-	DRY) CR,SUIL (LG/G-bRY)	COPPER,SED CUG/G-	CEAD, SED (UG/G-ORY)	ZINC, SEU (UG/G-ORY)	ARSENIC, SEB (UGZ	DRY) NERCUKY, SED (UG/G-	OKY) ALORINOSED (UG/G-	DRY)	DOT PP (UG/G-ORY)	FNDRIN (UG/G-DKY)	THE ORDANE, SED (UG/G-	DDE ,PP*(UG/G-DAY)	0 CATHIANE (UG/G- 98694 CKV)

		30898 30914 515837 505543	6125185 (125135	1010 335	6.246 <0.538	<0.360 <0.359	6(*15 00*1>	gr\$*8> 990°9>	098*(0> 008*0>	<0.300 <0.300	66.300 <0.3.3.9	0*605 <0*505	CC**C> 008*0>	<0.460 <0.155	\$61.00 c01.05	60.566 <5.519	01.42> 0.0.42>	<(.100 <-1.13	A. A.A.	चर एर बंद	A.A.	14	₽°. ∀4	Y. V.
	11000	3089A 50898 50886 51	219 5915219	1001	>0.500	> 008-3>	<1.00	<6.0£3	> 008*3>	ce.305	> 008*3>	<0.00 <0.00 <0	> 908.00	< 0.4CB	> 001.3>	> 00(•)>	65°C0	<0.100	**************************************	Æ	A A	¥	×	**************************************
	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELO GROUP LEADER: GEISZLER/DERGOUL	30868 505831	718/65	1601	<0.500	<0.300	<1.00	909*0>	<0.300	€0.34€	<0.330	<0.03	<0° 300	00+•€>	<0.790	<0.500	?\$* 00	<6.700	N.	A.	W 22	×	Z.	*
PRELIMINARY	SECTION GER: DILL LEADER: GE	NUMBERS B 3038A 25 505830	1/8/85	1025	<0.500	<0.300	<1.00	<6.600	<0.300	<0.300	<0.300	<0.00>	<0.300	004.0>	<0.700	<0.500	90.5>	<0.760	N. N.A.	NA	¥	NA NA	NA	X A
STATUS: PR	OJECT NAME OJECT MANA ELO GROUP	SAMPLE NU 30876 505825	1/8/85	555	<0.500	<0.300	<1.00	099*3>	<0.360	<0.300	€C•350	<0.05	46.30b	004.0>	. <6.7e0	<0.500	<5°10	<0.700	X		XX.	Æ	a Z	N.
	PR F	3087A 505824	7/8/85	246	<0.500	<0.300	<1.00	<0.600	<0.300	<0.300	<0.300	<0.00	<0.00	<0.400	<0.700	<0.500	<2.00	.06.10∪	NA	N	N	KN	¥ Z	¥
01/11/86		30468 505819	01/03/85	1117	<300	<36.0	<100	<200	0.09>	<200	009>	0.135	<36.0	<100	<50.0	0.06>	<300	002>	Y.Y	NA	A.	HA	XX.	¥.
		3066A 5 USB1 B	01/03/85	1101	<3.00	<0.300	<1. 00	<2.00	*09*9>	<2.00	66.39	0.012	<0.300	1- 00	<0.500	<0.900	<3.00	<2.00	¥ Z	*	X	X	₹ 7	N.
NEERING	6300 Samples: All	30858 505813	379785	741	<0.500	<0.300	<1.00	009*0>	<0.300	<0.300	<0.300	<0.00	<0.300	005*0>	<3.700	<0.500	<2. 00	<0.700	¥	N	X.X	X X	Y.	N.
ENVIRUNMENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 3617Y PARAMETERS: ALL SAMP	PARAMETERS STURET #	NETHOD W		DIMP (UG/G-DRT) 94645	9/	HEXCLCTYPENDI (UG/G- 9364)	CRY) Halathigh (UG/G-ORY) 98648	USGORIN (UG/G-DRY) 94649	U DITHIANE (UG/G- 9a650	DICYCLOPENTADIENE (U 98651	0 DBCP(NEHAGON) (UG/G- 98652	CRID NILNETHYSULFI 90653	0 9865	NE (UG/G-D) 0 ATRAZINE (UG/G-DRT) 90655	SUPONA CUG/G-URY) 98656	ONNP (UG/G-ORY) 94657	0 ETY*PARATHIGN (UG/6- 94656	OKY) CARBÛN TLÎNACHLORÎDE 9868Û	CHLURGBENZENE 98681	CHLUROFURK 98682	1.1-DICHLORDETHANG 94663	L.2-DICHLGROEIHANE 98684	CUG/G-ORY) 0 BICYCLOHEPIADIENE 94686

ENGINEERING	
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SCIENCE	
ENVIRONNENTAL	
ENVI	

01/11/66

PROJECT NUMBER 84936300 FIELD GROUP: 36178 PARAHEJERS: ALL SAMPLES: ALL

PROJECT NAME SECTION 36 RMA PROJECT NAME SECTION 36 RMA PROJECT NAMAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERCDALL

PARAHETERS STO	STÜRET #	30658 505813	3086A 505818	30868 505619	3087A 505824	SAMPLE NUI 30878 505825	NUMBERS 3048A 5 505830	30883 505831	3039A 505636	30658 505837	3191A 53534d
DATE	METHUD #	719/85	07/03/65	01/03/65	7/6/85	7/8/85	778765	778785	672573	6725785	613215
IINE		141	1101	1111	256	956	5291	1047	0):1	1010	373
FRANS-1,2-DICHLOROET	19986	¥ R	NA	A	4 2	N.	NA	4	N.P.	T &	ब्द <u>स्</u>
ENECUOZO-D ETHYLBENZENE	93688	N	A.	hA	K	νч	¥ k	**	E 4	NA	* <u>;</u>
NETHYLENE CHIURIUE	98689	¥	Y.	P.A	×	N.	AN	er Z	4 4	N.A.	est ","
TETRACHLORDETHENE	06966	N.	NA	NA A	KA	4	NA	4 2	æ1.	W.	***
TOLUENE (UG/G-UKT)	76986 N	X X	N.	KA	NA	#W	¥2	AA	4 .	N A	¥3.
LOLD-I-IRICHLORUETHAN	93692	¥	K N	NA	Y X	K.A.	AN	¥ Z	7	V V	3.8
LIUG/6-DJ LOLOZ-IRICHLORUETHAN	98693	**	W.W.	KA	¥	A.	MA	Z.	∠	P.A	VA
ELUBZETHENE	9698	N	NA	¥2	*	K.A	×	N.A	E.	N.	72
H-XYLENE	98695	¥	¥ ₹	NA NA	Z.	**	NA	V	4.7	74	*** ?**
NIBK (UG/U-DKI)	986986	¥	AN.	NA	¥ Z	~	NA	N.A.	ब्य. इ.स.	KA	T. X
DHOS (10.76-0KT)	98697	Y X	AN	VV VV	Y X	≪ ≈	NA	¥ R	X A	¥ 4.	F
RENZENE (UG/G-DRY)	66986	N.	Z.	X.	×	A	er W	×	N.	¥	¥1.
0-AND/OR F-XYLENE	98700	×	Z.	X	X X	NA	¥Z.	*	N.R.	AN AN	e.
PCPMSGZ UG/G-DRY	98703	<0.300	001-0>	0.04>	<0.300	<c.300< td=""><td><0.300</td><td>√00€°0></td><td><0.300</td><td>008*9></td><td>co. 133</td></c.300<>	<0.300	√00€°0>	<0.300	008*9>	co. 133
COURDINALE AN/SCSIP)	93392	184319	184235	184265	184410	164470	184617	19491	182524	192524	182222
COURDINATE SETACSIP)	98393	2186202	2186800	2186860	2186503	2186503	2186285	2136205	2168912	2186502	2180852
UNK620 (UG/G)	97006		NA	NA NA							
UNK635 (UG/G)	19006		67*2	8-99	,		•				
UNK582 (UG/G)	900 45		٠	101					•		
UNK576 (U6/G)	0,000			60.1							

ALL ALL PROJECT NAME SECTION 56 RPH PROJECT NAMES CECULIS ACTION 16 RANGE BULL RANGE B	ENVIRONMENTAL SCIENCE & ENGINEERI	LENCE E ENGIN	(EERING	_	01/11/86		STATUS: PRELIMINARY	ELIMINARY				
STUMET # Jud558 34064A 30051D 50551D 50550A 50550B	PROJECT NURG FIELD GROUP: PARAMLIERS:	1ER 44936300 1 361 77 All Samp				PR	DJECT NAME DJECT MANA ELO GROUP	SECTION GER: BILL LEADER: GE	36 RHA Fraser Iszler/öff	11039		
#EHIAD # 179765 01703765 170765 770765 770765 770765 672576 672576 672576 672576 672576 672576 672576 672576 6	Paraneters	STURET #	33	3086A 505818	30868 505819	3087A 505624	SAMPLE NU 3067b 565325	HBERS 3088A 505830	30888 505831	3389A 555336	30858	3891.1 53534
120 1111 942 954 1025 1047 1010 1113 120 90044 11.5 120 11.5 11.5 120 11.16 11.16 11.17 11.16	DATE		1/9/85	01/03/85	07/03/85	7/8/85	718185	7/8/85	7/3/35	5875279	5375219	6125735
90044 90040 90080 90080 90080 90081 2-29 90081 90081 90082 90082 90081 1-15 90082 90081 90082 90082 90082 90083 90083 90083 90083 90083 90083 90084 90084 90085 90086	IINE		741	1011	1111	246	954	1025	1501	1000	1613	3.5
94065 94064 94070 94070 94070 94071	UNKSBU (UG/G)	90044			120							
9,000 9,	(9/9a) (689m)	0 0 0 0 0 0 0		11.5								
90082 90082 90082 90083 90041 2-29 90041 1-15 90042 1-15 90042 1-15 90053 9-5 90053 66-6 90053 134 90054 107 107 107 107 107 107 107 107 107 107	UNK632 (06/6)	9 9 9 9		•								
90082 90043 90041 2.29 90042 1.15 90042 0.687 90030	UNK614 (UG/G)	97006						4 1°02	066*0 +			٠
9u041 2.29 9u041 2.29 9u042 1.15 9u033 0.687 9u036 66.8 9u036 66.8 9u051 107 9u052 134 9u053 134 9u053 66.6	UNK629 (66/6)	90082				,						
90041	UNK579 (UG/G)	£400%									4 0.665	
90642 1-15 90077 0-687 90078 0-687 90076 0-687 90033 0-687 90033 0-687 90033 0-687 90033 0-687 90036 0-687 90049 0-688 90051 0-888 90051 0-888 90052 0-888 90053 0-888	UNKS77 (UG/G)	15006		62.2						·		
90077 0.687 90016 9003 90036 90036 90036 90049 90049 90051 90051 90051 90051 90051 90051 90051 90051 90051 90051	UNK578 (UG/G)	2 5006		1.15								
9,0016 9,003 9,003 9,0036 9,0036 9,004 9,0051 9,0053 9,0053 9,0053 9,0053 9,0053 9,0053 9,0053 9,0053 9,0053 9,0053	UNK623 (CG/G)	£1006		0.687		_						
90033 90036 90036 90036 90039 90049 90051 90051 90053 90053 90054 90054 90057 90057 90058	UNK525 (UG/G)	91006			1270							
913.5 910.36 910.36 900.39 900.39 900.49 900.49 900.53 900.53 900.54 900.57 900.58 900.58	UNK562 (UG/G)	90033			93.5							
90036 90039 90049 90049 90051 90053 90053 90054 134 90054 134	UNKS67 (86/6)	90036			93.5							
90049 90049 90049 90051 90051 90053 90053 90057 90057 90057 90062	UNK569 (UG/G)	90036			9-99							
90049 90051 90053 90053 90054 90054 134 90057 66.8\	UNK574 (U6/G)	90039		• ••	134				``.			
90051 90053 90054 90054 90052 90062	UNK588 (66/6)	6,400,6			101							
9.0053 9.0054 9.0057 0 0 0 9.0062	UNKS91 (06/6)	90051			93.5							
90054 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UNK594 (UG/G)	90053			40.1							
9uu5 7 0 0 9uu6 2	UNK595 (UG/G)	93006			134							
9,006	UNK600 (UG/G)	15006			9.99							
	UNK605 (UG/G)	90062			40.1							

ENVIRUNMENTAL SCIENCE & ENGINEER)	IENCE & ENGI	NEERING		01/11/86		STATUS: PRELIMINARY	ELIMINARY				
PROJECT NUM FIELD GROUP PARAMETERS:	PROJECT NUMBER 84936300 FIELD GROUP: 3617Y PARAMETERS: ALL SAMPI	6300 SAMPLES: ALL			889	PROJECT NAME SECTION 36 RNA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BEKGJOLL	SECTION GER: BILL LEADER: GE	36 RNA FRASER ISZLUR/BEK	11009		
PARANETERS	STURET #	30658 505813	3086A 505818	30868 505619	3087A 505824	SANPLE NUMBERS 30878 308 565825 505	NBERS 3088A 505830	33868 505831	3089A 505336	305 9 B	3091A 505543
DATE	METHUD #	7/9/85	07/03/85	07/03/65	1/8/85	7/8/85	7/8/05	7/8/85	5875279	5875279	6125135
IINE		741	1011	1111	945	426	1025	1647	1000	1010	2. 22 47
UNK609 (UG/6)	91066			26.7					A 1.03		
UNK524 (CG/G)	90015										
UNK533 (66/6)	90027		,								
UNKSS7 (UG/G)	90031		:								
UNK512 (U6/6)	89006								\$ C*198		
UNK615 (UG/G)	1200g								4 2.16		
UNK637 (UG/G)	8006				* 11°4				4 0.815		
UNK523 (UG/G)	90092					\$ 2.28	4 2.15			A 0.665	b(2*P ₩
UNKS85 (UG/G)	90102									A 0.586	
UNK636 (UG/G)	9006 9006									A 6.714	A 4.585
UNK660 (U6/6)	92106					•				€ C. 403	
UNK532 (UE/G)	92006										4 92
UNK 618 (UG/G)	90013										255°C +
UNK633 (UG/G)	2800g							```.			4 0-318
UNK513 (UG/S)	90116							•.	•		
UNK639 (UG/G)	30122										
UNK6 58 (UG/G)	06006 0							* 2.13			

	11005	818 585832	67/63/65	ວ	SO	ပ	20.TE	类	9	0•7	A K													
	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLEK/BERGOULL	BLK 505691	67/03/35	9	98	O	9430	3¥	i.	2.0	W Z			. :				`.	•.					
ELIHINARY	SECTION GER: BILL LEADER: GE	NUMBERS BLK 2 505890	01/03/65	0	SO		GENS	RK	ပ	2.0	<0.5	15	13	¢16	37	<5.2	<0.0>	<0.500	<0.09.60	<5.60	00**>	\$6.00	<0.500	<0°200
SIAIUS: PRELIHINARY	JECT NAME JECT MANA ELD GROUP	SAMPLE NU BLK 505882	719785	0	80	0	gr HB	EX	9	2.3	N.	A.Y	N.	¥	. E	V V	N.							
	PR	81.K 505881	7/8/85	0	S0	0	qcas	% %		2.3	N N													
99/11/10		8LK 505880	6/25/85	3	20	9	QCMB	æ	9	2.3	NA NA													
		3086 505872	01/03/85	TITI	Sa	19	BURE	R	(A)	18.4	9.6	1450	159	1100	11800	65. 2	<0.0>	<50.0	<60.0	<200	00%>	009>	<50.0	<50.0
E ENGINEERING	6300 Samples: All	30918 505849	6125135	819	80	122	BORE	8K	S	11.3	<0.0>	11	,	417	39	6.4	<0.05	<0.90	<0.300	00,*0>	<0.100	<1.00	<0.300	<0.300
ų,	3493 77	Stüret #	HE THUD #		1,999	99158	99766	0E 9972Ü	9021 30¢	97601 (1	8201 -9/	87) 9958 <u>4</u>	1043 -	U DRY) 1052	URY) 1093	, 1003 1003	Ĭ2611 −9/	9356b 6 - 9	U RY) 98365	1) 94364	T) 96369	19886 -9/9	(¥) 9836.3	0 \$4986 -9/90
ENVARONNENTAL SCIENC	PROJECT NUMBER FIELD GROUP: 361 PARAMETERS: ALL	PARAHETERS	OATE	LINE	SAMPLE TYPE	SAMPLE DEPTHICM	SITE IPPE 1	INSTALLATION CODE	SAMPLING TECHNIQUE	HULSTURECZKET KI)	CAUMLUM, SEU, CUG.	CR, SOIL (UG/G-URY)	COPPER, SED CUGZ	LEAD, SED (UG/G-DRY)	ZINC, SED (UG/G-DRY)	AKSENIC, SED CUG	DKT) MERCURT,SED (UG	ALDRIN, SED (UG/	DIELDRINCUL/G-DRT)	DOI,PP*(UG/G-DRY)	ENDRIN LUG/G-DKY)	CHLURBARE, SEDCU	08E,PP*(LG/G-URY)	154 DXATHIANE (UG/G- CRY)

	11009	565352 565392	61/63/65	ບ																				
	IN 36 RMA L FRASER GEISZLER/BERGOULL	81 K 505891	61/03/85	O																				
ELIHINARY	SECTION GER: BILL LEADER: GE	HBERS BLK 505890	07/03/85	0	<3.60	<0.300	<1.00	<2.00	*C* *99	65.00	66. 00	<0.00	<0°300	<1.00	<0.500	<0.00 €0.00 × 0.00 × 0.00	<3.0u	<2.00	<0.400	<0.300	<0.700	<0.500	<0.400	<0.600
STAIUS: FRELIMINARY	PROJECT NAME SECTION PROJECT MANAGER: BILL FIELD GROUP LEADER: G	SAMPLE NUMBERS BLK 611 505882 50	379765	0																				
	a a a	81.K 505881	7/8/85	9								•				٠								
01/11/86		81K 50588U	6125185	0															*<0*300	*<0°300	4 j.18	*<0.300	*<0.300	A<0,300
		3086	07/03/85	1111	<300	<30.0	100	0n 7>	0.09>	4200	6 00 9>	6.109	<30.0	<1 00	<50.0	<90.0	<300	2500	A Z	¥	AK	AN	Y.	K
CE & ENGINEERING	6300 SAHPLES: ALL	30918 505849	6125/85	819	<0.500	<0.330	<1.00	009*0>	<0.300	<0.300	<0.300	0.031	<0.330	<0.400	<0.700	<0.500	<2.00	<0.70	X.	¥ R	X	N	X	X
E ENG	2 84936300 16177 1 SAHPL	STORET #	NE ENTOD N		93645	94986	90647	98648	64986	98650	98651	6- 98652	98653	93654	93655	93658	98657	98658 98658	93680	94681	98682	99663	98664	98686 0
SCIENCE	SER 8 3617 ALL	STO	2			, •	J6/6-	-0kr)	CI.	-9/9	=		_	_				4					1 (3) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
	GROUP :				-DRY)	7907		106/6-	30-9/9	NE (U(IAULE	30.00	HE IHY	E LEC	106/6-URY	/6-DR1	-DRY)	D NOT	UKT J LIRACHLO	ENE ENE	# 100/00-08 B	ORUEIHANE	KOETH	PIAUIENE (UG/G-UK)
ENVIRJENTAL	PROJECT NUMBER FLELD GROUP: 36 PARAMETERS: ALL	Paraneteks			DIMP (UG/G-DRY)	DICHLORVOS CUG/6	HEXCLCYTPENDI (UG/G- 9	DALATHION (UG/6-DR	ISOORIN (UG/G-ORY)	1,4 DIJHIANE (UG/G-	DICYCLUPENIAULENE	CNEMAG	P-CLPHENTINE INTSULF	PHENY	ATRAZINE (UG/G-URT	SUPONA (UG/G-DRT)	DAMP (UG/G-DRY)	ETY*PARATHION (UG/	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROFGRA	LOICHLORDETHANE	I.2-DICHLCKOETHANG	CLOHEP
ENVIR		PARA	DATE	IINE	DIMP	DICH	HEXC	MALA	1500	1,4	חזכג	UBCP	1 -c1	P-CL	ATRA	SUPO	DAMP	EIY	CARB	CHLD	CHIO	101-	102-	9161

		25	25	9																				
	110398	61 K 5 (5992	01/03/65										·											
	UN 36 RHA IL FRASER GEISZLER/BERGBOLL	8LK 505891	01/03/85	0														``.	·					
ELIHINARY	SECTION GER: BILL LEADER: GE	INBERS 6LK 505890	07/03/85	9	<0.000	004°A>		<0.500	<0.300	<6.590	009*0>	<0.600	<0.0	<0.0400	<4.00	<1.00	<0.540	<0.400				1.02		
STATUS: PRELIHINARY	PROJECT NAME SECTION PROJECT MANAGER: BILL FIELD GRUUP LEADER: G	SAMPLE NUMBERS Blk 505862 50	7/9/85	0																				
	2 2 3	61.K 505881	7/8/85	0					:													٠	-	
99/11/10		81K 505880	915219	0	4<0.300	4<0.300	A 0.869	4<0.30ü	A<0.300	4 0.760	A<0.300	*<0.300	4<0.3 00	*<0.500	4<0.300	^<0∙30¢	*<0.500							
		3086 505672	07/03/85	1111	X	X	¥.	X	NA	N A	×	NA	N	NA	Z	N.	2	0*04>	184285	2186600	¥ ¥		012	294
E ENGINEERING	6300 SAMPLES: ALL	30918 505849	\$815219	919	W N	¥	N	X	N.	×	Z	N	X	W.	X	×	* et * 72	<0.300	162222	2186652				
ENGI	493630 Y SAH	REI #	# QOH		38687	98998 0	699a6 0	06986 0	169P6 0	0 0 0 0 0 0 0	3 9 8 9 8 9	9699£	94695 9	98986 0	96697	66986 0	98789	98763	98392	98393	9,0006	9006 1	30045	0.000
SCIENCE	PROJECT NUMBEK 84936300 FIELD GROUP: 3617Y PARAHLIERS: ALL SAMP	SIUREI	HE THUD		_			(UG/G-DRT) TE TRACHLGRÜETHENE	36/6-0RT)	Z	Z				(Uc/6-DKT)	COLVE-DKI) BENZENE (UG/G-ORY)		106/6-0KT	CUURDINATE + N/S(SIP)	COORDINATE, E/M(SIP)		(9)		13.
ENVIRONMENTAL	OJECT ELC G RAHEL	PARAHETERS			ŋ-2¢1	ENZER ENZER	E CE	283 H	TOLUËNE 	KICE	E E	EK URCET	N-XYLENE 	3	3 :		- A	25.	NATE	NA 1E,	UNK620 (UG/G)	UKK635 (UC/G)	UNK582 (UG/G)	(9/3/1/ YESAMI

ENVIRONNENTAL SCIENCE & ENGL	E ENGINEERING		98/11/10		STATUS: PRELIBINARY	ELIMINARY		
PROJECT NUMBER 84936360 FIELD GROUP: 3617Y PARAHETERS: ALL SAMPI	6360 SAMPLES: ALL			24.4	PROJECT NAME SECTION PROJECT MANAGER: BILL FIELD GROUP LEADER: GI	SECTION GER: BILL LEADER: GE	ON 36 RMA LL FRASER GEISZLER/BERGURL	69 (N. L.
STOKET #	30918 505849	3086 505872	8LK 505880	81.K 505881	SAMPLE NU BLK 505682	SAMPLE NUMBERS BLK 505692 505690	8LK 5 05 69 L	3 U S 8 9 2
HETHOD #	6/25/85	07/u3/35	915219	7/8/85	287671	07/63/85	01/03/05	077037.05
	818	1111	0	0	0	0	ပ	•
940n6		270						
90630						10.2		
3 9006								
a/ 306								
90082								
89006	# 0.374							
14006								
97042								
9467		-						
97006						1.02		
90033		184						
9006		196						
90038		. 961						
900.6		153					``.	
64106		\$0 \$	•	-				
90051		164	•		• .			
90053		319						
9006		542						
15006		123						
9006								

PROJECT NUMBER 39935300 PROJECT NUMBER 3111 NUMBER 3 PROJECT NUMBER 3 PROJECT NUMBER 3111 NUMBER 3 PROJECT NUMBER 3111 NUMBER 3 PROJECT NUMBER 3 PROJECT NUMBER 3111 NUMBER 3 PROJECT NUMBER 3111 NUMBER 3 PROJECT NUMBER 3 PROJE	ENVIRUNMENTAL SCIENCE	ENCE & ENGI	E ENGINEERING		01/11/86		STATUS: PRELIMINARY	ELIMINARY		•
SIGNET # 505849 34066 BLK	GROUP:	3493 171	O PLES: ALL			99 H	DJECT NAME DJECT MANA ELD GROUP	SECTION GER: BILL LEADER: GE	36 RMA FRASER IISZLERZBER	17669
#ETHUD # 6/25/85 07/03/85 07/0	PARAKETERS	STORET #	30918 505849	3086 505872	BLK 505880	BLK 505881	SAMPLE NU BLK 505982	HBERS BLK 505890	81K 505891	8LK 505692
90066 90015 90015 90015 90015 90016 90006 900006 900000 900000000 900000 900000 900000 900000 900000 900000 900000 900000 900000 900000 900000 900000 900000 900000 900000 900000 900000 9000000		METHUD #	6125185	07/03/85	915219	7/8/85	719785	07/03/85	07/03/05	07/03/85
90066 90015 90031 90031 90031 90031 90032 4 0.261 90092 90083			818	1111	0	9	0	9	0	J
90090 90012 90031 90046 90040 90040 90060	UNK609 (UG/G)	99006								
9.0031 9.0031 9.0066 9.0092 9.0092 9.0086 • 0.506 9.0086 • 0.727 9.0086 • 0.727 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087 9.0087	UNK524 (UG/G)	90015		637				•		
90031 90060 90060 90072 * 0.261 90072 * 0.506 90073 * 0.727 90073 * 0.392	UNK533 (U6/6)	1206			-			1.02		
90066 90071 90089 90089 90092 90073 90073 90073 90073 90073	UNKS57 (UG/G)	90031						0.408		
90089 90089 90092 90092 90098 90093 90093 90099 90099	UNK612 (UG/G)	90006								
90089 90092 4 90092 4 90086 4 90020 90020 90073 90073 90080 90080 90080 90080	Unk615 (UG/G)	10006								
90092 # 91102 # 91108 # 910080 # 91020 # 91020 # 91085 # 91116 # 90090 # 90090	UNK633 (UG/G)	690r 6								
9.1102 9.1026 9.1026 9.1026 9.1073 9.1065 9.116 9.116 9.116 9.116	1979D) E28XKD	8008								
99088 90120 90120 90073 90073 90120 90120 90120	UNK585 (UG/G)	91105								
90126 91020 91020 91073 91065 90126 90122	UNK636 (UG/G)	91008								
9.1020 9.1073 9.1073 9.1116 9.1116 9.0090 9.0090	UNK66G (UG/G)	92106								
90073 90073 90176 90176 90073 90073	UNK532 (UG/G)	93020								
90066	UNK618 (UG/G)	9:00.8						,		
	UNK633 (UG/G)	93069							\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	UNK513 (UG/G)	91106	•						·.	
	UAK639 (UG/G)	321n6					. :			
	UNK638 (UG/G)	06006								

		34394 545925	61/2113	643	20	771	3.14.5	R. XX	Ø	12.3	6.00	<u>.</u>	~	417	36	<+* <i>1</i>	< 0. €5	10.9	<1.13	66.4.05	cc. laa	61. 30	<0.15.15	<0.328
		3399A 505524	6124185 616	619	SU	:5	ECKE	¥	S	12.8	6°)>	14	5	77	43	£.4	<0.0	605.0×	<0.330	004-0>	<0°100	<1.00	106.90	<0.366
	11	30936 505919	1110785 61	1012	20	132	RUPE	FX	S	19.4	6.0>	22	6 00	(1)	43	9° 5	دن• ۵۶	006*3>	< 0.360	234°9>	<0.100	41.00	006.3>	6){*3>
	JN 36 RMA LL FRASER GEIS/LER/BERGUCLL	35988 505918	7,16/65	958	20	0	BCRE	8. X	S	5.3	6.05	16	~	16	3.7	5.1	0.07	<0.00 °0>	<0.300	<0.400	<0.700	<1. 00	<0.300	<0.300
PREL INTHARY	SECTION 30 ER: BILL FF ADER: GET	30978 30978 505913	710/85	1129	0.5	221 -	BGRE	RK	s	17.4	<0.0>	.	\$	(1)	34	(4.1	<0.05	9960	919.0	004.0>	<0.100	41. 00	<0.300	<0.300
STATUS: PREL	PROJECT NAME SECTION PROJECT MANAGER: BILL FLELD GROUP LEADER: GE	SAMPLE NUMBERS 3097A 505912 50	7/10/85	1109	80	0	BORE	S.	S	12.9	6.0>	-	1	52	79	7.9	0.13	006*0>	<0.300	004°0>	<0.700	<1.00	cc.300	<6.300
18	PROF	30968	07/11/05	740	80	122	BORE	×	v	13.7	0.0	. 18	11	<16	45	67	10.0>	<0.500	<0.600	<2*00	<4.00	00*9>	<0.506	<0.500
01/11/66		3096A 505906	07/11/65	125	80	0	BORE	*	S	11.4	<0.5	16	22	416	11	<5.2	<0.0>	<0.500	009*0>	<2.00	00 ° \$>	66. 00	<0.500	<0.500
0		30958 505901	01/11/85	948	S	122	BORE	æ	s	15.2	<0.5	71	2	91>	14	5.5	<0.0>	<0.500	<0.09.0>	<2.00	00° 4>	00-9>	<0.500	<0.500
ERING	ES: ALL	3095A 505900	03/11/85	828	SO	0	BORE	R	S	7.0	0.1	15	11	70	55	77	60.0	<0.500	<0.600	<2*00	*****	00*9>	<0.500	<0.500
E ENGINE	4936300 Z SAMPLES*	STURET #	HETHOO #		66672	0 93158	0 65166	93186 0	0 72005	0 0 0 0 10 10 10	9201 0	0 0 0 0 0 0 0 0	1043	. 0 1052	0 0 0	1003	17671	93356	9886 0	0 94364	0 999868	0 94361	0 98363	0 866 0
ENVIRUNNENIAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GRUUP: 3617Z PARAMETERS: ALL SAMPI	PARAMETERS STU	NET	THE STATE OF THE S	E TYPE	HICH		N CUDE		MUISTURE(ZNET HI)	ADMIUM, SED (UG/G-	CK, SUIL (UG/6-0RY)	CUPPER,SED (UG/G-	CRY) LEAD, SEU (UG/G-DRY)	ZINC, SED (UG/G-DRY)	ARSENIC, SED (UG/G-	ORY) NERCURY, SEV (UG/6-	DRY) ALDRIN,SED (UG/G-	DRY)	001,PP*(U6/6-DRT)	ENDRIN (UG/6-DRY)	CHI DRAANE, SEDUUG/G-	DDE PP (UG/G-DRY)	0 1,4 DXATHIANE (UG/G- 98644 DKT)

ENVIRDAMENTAL SCIENCE & ENGINEERING	E ENGI	REERING	_	01/11/86		SIATUS: PRELIMINARY	LIMINARY		٠		
PROJECT NUMBER 64936300 FIELD GROUP: 36172 PAKAHLIERS: ALL SAMPI	14936301 12 SAM	6300 Samples: All			881	PROJECT NAME SECTION 36 RMA PROJECT NANAGER: BILL FRASER FIELO GROUP LEADER: GFISZLER/BERGÜGL	SECTION SER BILL CEADER: GE	16 RMA FRASER ISZLER/BERI	11699		
PARAMETERS STU	STORET #	3095A 505900	30958 505901	3096A 505906	30968 505907	SANFLE 1:U1 3097A 505912	лимверs 30978 .2 505913	309eA 505916	\$0586 505919	3099A 505924	30938 5.15925
DATE	METHOD #	U7/11/85	07/11/85	07/11/65	07/11/65	7/10/65	7/10/85	1110/65	7/10/35	5514219	ç\$15213
TIME		828	948	125	140	1109	6711	958	1512	619	343
DIMP (UG/G-ORT)	98645	<3.00	<3.00	<3.00	<3.00	4.43	<0.500	<0.500	<4.50	205*3>	<0.503
DICHLORVUS CUG/G	93646	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	∘0°?	<0.300	€8.5ad
-DRY) NEXCLCYTFENGI (UG/G-	0 9864	<1.00	<1.00	<1.60	<1.00	<1.0J	<1.00	90.1>	1. 00	<1.03	િ;•1>
DRY) NALATHION (UG/G-URY)	98648 0	<2.00	<2.00	<2.00	<5.00	009.0>	009*0>	<0.09*0>	<0.00	<0.500	<0.500
ISBORIN (UG/6-DAY)	64986	<0.630	009*0>	609*0>	009*0>	<0.360	<0.309	<0°390	<0.300	96£*3>	<3.539
-9/9n)	0 0 0 0 0 0 0 0 0	<2.00	<2.00	<2.0ÿ	<2.00	<0.360	<0.340	<0.300	< C. 30 U	<0°36¢	ec.3>
-	0 15986	00*9>	<6.03	00°9>	00-9>	<6.300	<0.30U	<0.396	008.3>	<c•306< th=""><th>رن\$ • ره</th></c•306<>	رن\$ • ره
G/G-DRT) Obcplnehagon) (UG/G- 98652	0 0 0	<0.00	<0.00	<0.000	<0.00	<0.005	<0.00	<0.00	0.013	<0.05	9.436
URY) P-CLPHENYLMETHYSULFI	93653	<0.300	<0.300	<0.300	<0.300	<6.300	<0.30U	<0.30 G	<0.369	<6.300	3.563
D-CLPHENYLHETHYSULFU	\$5986 0	00 *1 >	<1. 00	<1.00	<1.00	005-0>	<0.400	<0.400	<0.460	004*3>	9(4.0>
NECUG/G-D) AIRAZINE (UG/G-DRT)	9865	<0.500	<0.500	<0.500	<0.500	, <6.7c0	<0.100	<0.100	39 /* 3>	<0° 130	43.7 30
SUPUNA (UG/G-DRY)	93926	006*0>	<0.900	<0.900	006-0>	<0.500	<0°200	<0.500	<0.500	<u> </u>	43,321
DHMP (UG/G-DRY)	98657	<3.00	<3. 00	<3.00	<3.00	<2.00	<2.00	<2.00	<2°C0	<2.00	(2,33
EIY PARAIHICN (UG/G-	9865	<2.00	<2.00	<2.00	<2,00	<0°100	<0.700	€0°10€	<0.100	001.0>	cd. 1. t
DRT) CARBON ILIKACHLORIDE	08996	X	X	NA	<0.400	A:S	Z,	¥	N	AA	
CHLOROBENZENE	98681	X	NA	A A	<0.300	NA.	NA	¥	A A	er. Z	
CHLORGFORN	98682	X X	N	N	<0.700	A A	NA	₹ ×	NA	₹	
191-DICHLCROETHANE	98683	N	X.	N	<0.500	¥ Z	NA	¥ X	4	N	
LUG/G-CRT) 1,2-DICHLORDE THANE	0 96684	N	N	Z.	<0.400	N.	Y.	¥	¥	et d	
OUG/G-DRT) BICYCLOHEPIADLENE UG/G-DRT)	98986	¥	K	X X	<0.00	¥	a Z	¥	4	×	

ENVIRUNNENTAL SCIENCE E ENGINE	CE E ENG	INEERING		01/11/86		STATUS: PRELIMINARY	ELIMINARY				
PROJECT NUMBER 84936300 FIELD GROUP: 36172 PAKAMLIENS: ALL SAMPI	849363 6172 L	16300 Samples: All			227	OJECT NAME OJECT MANA ELD GROUP	SECTION GER: BILL LEADER: GI	PROJECT NAME SECTION 36 RMA PROJECT NANAGER: BILL FRASER FIELD GROUP LEADEN: GEISZLER/BERGUGLL	116สอง		
PARAHETERS	STURET #	3095A 505900	3095a 505901	3096A 505906	30968 505907	SAMPLE NUMBERS 3697A 309 565912 505	ИВЕКS 30978 505913	3098A 505916	30986 505319	3099A 505924	30993 53555
DATE	NE THUD #	07/11/65	07/11/85	07/11/65	07/11/85	7/10/85	7/10/85	7/10/65	7/10/65	6/24/95	£/75/35
IINE		828	946	125	740	1109	1129	958	1112	613	# C
KANS-1,2-DICHLORDET	1 98687	N.	¥	K	<0.800	Ä	×	h.A	¥	×	
ETHYLBERZENE (UG/G-0RY)	98688	Y.	Z.	¥ N	<0.400	N.A		Z.	n A	<u>च</u> ४	
METHYLENE CHLORIDE	98689	₹ Æ	W.	NA		NA	4	RA	*	, ex	
TETRACHLORDETHENE	98690	¥×.	NA	N	<0.500	¥	N	¥ Z	NA	ጁ	
TOLUENE (UG/G-08T)	99691	N.	NA	NA	<0.300	X X	A.	Y.A	×.	NA.	
19191-TRICHLORDETHAN FILICAL-DA	N 98692	NA	N	NA	<0.500	~	NA	Z.	e ë	A K	
1, 1, 2, 2-1RICHLORUETHAN E(116, 6-0)	N 98693	NA	Z.	KA	009*0>	××	N.	×	~~ ×	4 ×	
TRICHLORGETHENE (1626-087)	98694	Y N	*	K	009*0>	ž	N.	NA	4	1.4	
M-XYLENE (UGZG-DRY)	93695	¥ z	XX	¥.	00£•ó>	A &	NA	~	* Y Y	***	
MIBK (UGZG-ORY)	98698	¥ X	K	KX	004-0>	¥.	X.	N.	4	4.4	
DHOS (11676-38Y)	98697	X X	××	¥.	00*5>	P. P.	× ×	Z	AA	×	
BENZENE (UG/G-DRY)	98699	N.	NA	K K	<1. 00	ЙA	NA	NA	44	V Z	
D-AND/OR P-XYLENE	98700	×	₹	N.	<0.500	¥	# A	K X	Ā	4E	
PCPHSOZ UG/G-DRY	98703	<0.400	004*0>	<0.400	094-0>	<0.300	<0.300	<0-3 30	<0.300	<0.309	cd. 390
COORDINATE, N/SCSTP)	98392	181769	181769	781626	181626	161474	1 41 4 74	161319	181319	161320	131323
COORDINATE, E/H(STP)	98393	2185753	2185753	2186052	2186052	2518812	2185152	1029817	2166201	1599812	2135551
UNK634 (UG/G)	9006	MA	¥	NA							
UNK542 (UG/G)	\$200 6	NA	Y.	XX							
UNK600 (UG/G)	\$9006	¥.	N	NA.							
UNK633 (UG/G)	97076	0.323									

PRODECT NUMBER 1433-53-00 PRODECT NUMBER 5-111 FRANKE ESTAIL FRANKE	ENJIRUNKENTAL SCIENCE & ENGINEERING	LENCE & ENGI	HEERING		01/11/66		STATUS: PRELIMINARY	ELIHINARY				
HETHID 10958 109	PROJECT NUME FIELD GROUP: PARANETERS:	BER 8493630 = 36172 All SAHI	ES			ZZI	OJECT NAME OJECT MANA ELD GROUP	SECTION GER: BILL LEADER: GE	36 RHA Fraser Iszler/ber	11009		
HE FHUD # 07711/65 07711/65 07711/65 7710/65 7710/65 7710/65 7710/65 7710/65 7710/65 7710/65 7710/65 7710/65 7710/65 7710/65 6/72/65 6/72/65 6/72/65 6/72/65 6/72/65 6/72/65 6/72/65 6/72/67/65 6/72/67/67/67/67/67/67/67/67/67/67/67/67/67/	Parame Teks	STURET #	3095A 505900	30958 505901	3096A 505906	30968	SANFLE NU 3097A 505912	HBERS 30978 505913	3098A 505918	33988 565919	3095A 565524	30993 529503
155 161/2	DATE	HETHOD #	07/11/65	01/11/85	07/11/85	07/11/85	7/10/65	7/10/85	7/10/85	7/10/85	5975219	5875279
90067 90065 0-323 90066 0-323 NA N	TIME		828	949	125	140	1109	1129	958	1912	619	34.6
94056 94056 94056 94056 94056 94056 94056 94056 94056 94056 94059	UNK635 (UG/G)	80006				. 2.32						
90066 90075 NA NA NA NA 90075 90075 NA NA NA 90075 90075 NA NA NA 90075	UNK593 (UG/G)	0 3900%	N.	X	A.							
90069 NA NA NA NA PA 90025 NA NA NA NA PA 90026 NA NA NA NA PA 90020 NA NA NA NA PA 90020 NA NA NA NA PA 90020 NA	UNK609 (UG/G)	99006	0.323									
90025 HA HA HA 90045 D-323 90050 HA HA HA 90050 HA 90050 HA HA	UNK632 (UG/G)	9006	¥	Z	N							
90043 0-323 90061 1-18 90026 NA NA NA 90029 NA NA NA 90029 NA NA NA 90012 NA NA NA 90013 NA NA	UNK543 (UG/G)	9005	¥	Y X	NA							
90026 NA	UNK579 (UG/G)	£ 7006	0.323									
90061 1.18 90029 NA NA KA 90029 NA NA KA 90029 NA NA NA 90012 NA NA NA 90012 NA NA NA 90020 90120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	UNK544 (06/6)	92006	¥ X	NA	NA							
90028 NA NA NA NA NA 90028 NA	UNK604 (UG/G)	19006		1.18								
90029 NA	UNK546 (UG/G)	9700%	¥	X X	N							
90016 0.215 1.13 90016 NA	UNKS48 (UG/G)	67006	¥	N.	XX							
90014 NA	(9/9/1 679XI)	91082	0.215				-					
90012 NA NA NA PUD	UNK522 (UG/G)	9008	*	₹ X	W.				•			
90116 90092 90020 90109 90109 90107 * 0.390 * 0.556	UNK517 (UG/G)	90012	¥	4 7	AN							
90092 90020 90119 90107 * 0.390 * 0.556	UNK513 (UG/G)	91106		• • • •					``.			
90020 90119 0 90107 90107 90107 90113	UNK523 (U6/G)	3006							•			
90119 0 90068 0 90107 0 90113	UNKS32 (UG/G)	07906										
90068 90107 90107 90113	UNK655 (UG/G)	90119				•	-					
90109 0 0 11109	UNK636 (UG/G)	9006									A 1.05	[f•¶ ▼
\$ ETTO6	UNK641 (UG/G)	0 10106				-				•	₩ 0.39U	
	UNK654 (UG/G)	90113				٠					4 6.558	

ENVIRUNHENTAL SCIENCE E ENGINEERI	CIENCE E ENGI	NEERING		01/11/86	-	SIATUS: FRELIHINARY	ELIHINARY				
PROJECT NUI FIELD GROUD PARANETERS	PROJECT NUMBER 84936300 FIELD GROUP: 36172 PARÁRETERS: ALL SAMPL	16300 SAHPLES: ALL			88.1	DJECT NAME DJECT HANA ELO GROUP L	SECTION GER: BILL LEADER: GE	PROJECT NAME SECTION 36 RMA PRUJECT MANAGEM: BILL FKØSEM FIELD GROUP LEADEM: GEISZLEM/OFFGOGUL	נסמרו		
PARAHETERS	STORET M	3095A 505900	30958 505901	3096A 505906	3096B 505907	SAMFLE NUMBERS 3097A 3097B 565912 565913	HBERS 30978 505913	30984 555918	30968 555919	3099A 505524	33993 535925
DATE	METHUD #	07/11/85	07/11/65	07/11/85	07/11/65 07/11/65 7/16/85 7/10/65	7/16/35	7/10/85		7/10/as 7/16/as 6/24/85	67247.55	6175735
TINE		978	946	125	740	1109	1129	956	1012	613	\$45
UNKS47 (UG/G)	96016										A 9.32
UNK637 (U6/G)	68006	•									
UNK527 (UU/G)	90017										
UNK614 (UG/G)	90006					* 1.63	4 1.21				
UNK538 (UG/6)	90123						4 1.73				
UNK610 (66/6)	90124						* 1.24				
	3										

ENVIRONMENTAL SCIENCE & ENGINEERING	E ENGIN	EERING		99/11/10	. 89	STATUS: PRE OJECT NAME	PRELIMINARY HE SECTION 3	6 RHA			
FIELD GROUP: 36172 FIELD GROUP: 36172 PARAMETERS: ALL SAMPI	SAMP	SAMPLES: ALL			## 84	PROJECT MANAGER: BILL FIELD GRUUP LEADER: G	GER: BILL F LEADER: GE)	IL FRASER GEISZLER/BERGDÜL	1766		
PARAHETERS STÛ	STURET #	3100A 505930	3100B 505931	3101A 505936	31018 505937	SANPLE NUI 3102A 565992	NUNBERS A 31928 42 505943	3103A 505948	31638 505949	3124A 565954	31943 505455
NET	NETHOO #	06/20/85	58/02/90	6124/85	6124/85	06/20/05	06/20/85	56/02/93	59707790	68726765	(6/21/35
ILKE		1017	1030	136	151	913	931	823	637	139	251
SAHPLE TYPE	11999	80	3 5	SO	. \$0	SO	SO	SC	80	20	20
SAMPLE DEPTHICM)	93158	0	122	0	122	0	. 122	5	721	.	221
SITE TIPE 1	0 99759	BORE	BORE	BORE	BORE	BURE	BORE	66RE	EORE	SCRE	7 <u>8</u> 6
INSTALLATION CODE	0.2766	RX	RK	*	RK	RK	RK	RK	æ	Ã	32 60 60
SANPLING TECHNIQUE	0 12005	S	S	S	S	S	S	S	ιn	S	(2)
HOISTURE(ZWET HT)	0780 <i>t</i>	9.1	17.6	7.6	8.6	3.8	11.6	5.1	15.4	12.9	, * ?
CADMIUM,SED (UG/G-	0 1028	<0.5	<0.5	<0°0>	<0.0	<0.5	<0.0	<0.0	<0,5	<0.5	C3.5
ORY) CR,SOIL (LG/G-DRY)	99566	11	16	18	Ö	•	=	91	15	12	=
CUPPER,SED (UG/G-	1043	91	15	10	\$\$	13	=	15	**	11	77
DRY) LEAD,SED (UG/G-DRY)	0 1652	<16	<16	97	<17	91>	416	41 6	¢16	41 6	915
ZINE, SED (UG/G-DRY)	1693	25	(+)	09	42	39	87>	#	1,	53	ć 23
ARSENICASED (UG/G-	0 1003	<5.2	<5.2	6-9	(4.1	<5.2	65. 2	45.2	₹•£>	2*5 >	<5. ¿.
DRY) NERCURY,SEU (UG/6-	0 13611	<0.03	<0.0>	<0.05	<0.0>	<0.0>	<0.0>	<0.0>	0.16	(4)*(1)	40,37
DRY) ALDRINISED (UG/G-	98356	<0.500.	60°20 0	<0.960	<0°0>	<0.500	<0.500	<0.00	<0.500	235.0>	<1.550
ORY) OFFIORINGUE/G-ORY)	98365	009*0>	009*0>	<0.300	<0.300	<0°-60	009*0>	<0.600	<0.500	0)9°)>	4.1.63J
001.000.0000000000000000000000000000000	98364	<2.00	<2,00	<0.400	<0.400	<2.00	<2.00	<2.06	<2.05	< ć •00	< 2. Jû
ENDRIN (UG/G-DRY)	0 93369	00°4>	00* \$>	<0.100	<0.700	<4.00	00*\$>	66.00	03.4>	64 • 0 d	64.30
CHLURDANE, SEUTUG/G-	0 94361	00*9>	00-9>	<1.00	<1.00	00*9>	<6.90	an•9>	< 2 . UL	ده ، دو	63.3 3
CKY) ODE,PP*(UG/G-URY)	0 98363	<0.500	<0.500	<0.300	<0.300	<0.500	<0°20	<0.50C	¢0.500	035*9>	<3.539
U OXATHIANE CUG/G- 98649	9864	<0.500	<0.500	<0.300	<0.300	<0.500	<0.500	<0.500	JJ5*5>	¢6•500	
DRT	-										

		31:343 505925	58702799	152	c3. 30	<0.338	35•1>	3f•3>	€3•€3¢	36.45>	<5.ju	<0,105	43.83g	4.33	€j•15€	66.6.6>	<3.33	42,30	14	7	•	C'A	SΑ	er V
		3104A 505954	50172190	139	<3.00	<0° 300	√1.00	60*7>	<0.500	65.55	46.0 6	<0.00×0>	< 0. 30c	<1.06	(0) \$ ° 0 >)]6°)>	<3.00	<2.00	« 2	** <u>*</u>	ž	44	VV	. »A
	.GOLL	31038 505949	06/20/85	637	<3.C0	<0°**	31.1>	<2.00	004*3>	42 • 5	63•9>	<0.60	306.9>	41.00	<0.56d	336*0>	63.69	01.5>	F.A	AA	4	¥	V.	T
	36 RMA Fraser ISZLER/BEEGDDLE	3103A 5u5946	58/07/90	823	43. 06	<0.300	<1.00	<2.00	<0.09*0>	<2.06	00*9>	<0.00	<0.300	<1.50	<u.>500</u.>	<0.900	<3.00	45.96	×	¥.	NA	MA	N N	æ Z
ELIHIKARY	CI NAME SECTION 36 RMA CI MANAGER: BILL FRASER GRGUP LEADER: GEISZIER	HBERS 31028 505943	59762790	931	<3.00	<0.30U	<1•i0	<2.03	009.0>	00*7>	60.00	Z	<0.300	<1. 00	*********	<0.900	<3.00	<2.0Û	NA	NA NA	AN.	X X	NA A	N
STATUS: PRELIMINAR	PROJECT NAME PROJECT MANA FIELD GROUP	SAMPLE NUMBERS 3102A 5C594Z 505	06/20/85	913	3. 00	<0.360	<1.00	<5.00	009*9>	<2.00	00*9>	<0.00	<6.350	<1.00	<6.560	<0°00	<3.00	<2.00	4.4	X	4 2	¥	N N	¥
•	331	31018 505937	6/24/85	151	<0.500	<0.300	<1.60	009*0>	<0.300	<0.300	<0.300	<0.005	<0.300	<0.400	<0.700	<0.500	<2.00	<0.700	K	K K	*	A X	¥ X	¥ X
01/11/86		3101A 505936	6/24/65	136	<0.500	<0.300	<1.00	<0.60	<0.300	<0.300	<0.300	<0.00	<0.300	<0.400	<0.760	<0.500	<2.00	<0.700	4X	*	¥	NA NA	Y.	A Z
•		31008	06/20/85	1030	<3.00	<0.300	<1.00	<2.00	0.09*0>	<2.00	00*9>	<0.00>	<0.300	<1.00	<0.500	<0.00	<3.00	<2.03	N.N.	K.	¥¥	H.A	X X	Z.
EERING	6300 SAMPLES: ALL	3100A 505930	06/20/35	1011	<3.00	<0.300	00*1>	<2.00	<0.60	00*7>	00.9>	<0.00>	<0.300	<1.00	<0.500	<0°-900	<3.00	<2.00	MA	NA	N	X	N N	X.
E E ENGINEERIN	23	STORET #	METHUD #		93645	9,996	15996 -	9,986 (64986	9865	15996 n	25996 -	9865		98655	93656	93657	98658	Е 9368 <u>0</u>	98681	28986 0	98683	98684	98686
ENVIRONMENTAL SCIENCE	PROJECT NUMBER 84 FIELD GROUP: 36172 PAKANEJERS: ALL	PARANETEKS SI	MEDATE	ţine	DIMP (UG/G-DRY)	DICHLORVUS LUG/G	HEXCLCYTPENDI (UG/G- 9	MALATHION (UG/G-DRY)	ISDORIN (UG/G-DRY)	1, DITHIAME (UG/G-	DICYCLOPENIADIENE (U 98651	DACPINEMAGGN) IUG/G- 98652	P-CIPHENICHERNSULFI	P-CLPHENYLHETHYSULFU	AIRAZINE (UG/G-BRY)	SUPONA (LG/G-DRY)	DNNP (UG/G-DRY)	U ETY*PARATHION (UG/G+ 98658	CARBUN TETRACHLUKIDE	CHLUROBENZERE	CHLOROFORM	LAI-DICHLORUETHANE	LUB/6-DKT) 1 2-DICHLORDE HANE	BICYCLCHEPTADIENE (UG/G-DAY)

		B 31043 31346 49 535954 535955	85 06/20/85 06/23/45	31 139 152	KA NA RA	AA AA	NA NA AN	NA NA	NA NA 1.1	NA NA YA	AA AA	42.	KA KA 14	NA NA	KA NA	NA BA SA	AA NA 64	00 <0.400 <0.450	17/1/10 17/081 12/	@4 2186803 21553J3		5.28	13 C. 8C4 0.173
	PROJECT NAME SECTION 36 RHA PROJECT MANAGER: BILL FRASER FIELD GRUUP LEADER: GEISZLER/BERGJÜLL	3103A 31038 565948 5,05949	C6/20/05 06/20/85	823 g	7	A X	¥¥	¥ ?	« «	Z A	¥ Z	NA N	× =	A.M.	*	V Z	V	004°9> (004°9>	150321 15031	2186504 2185504	5 • 0	~	16.0.
ELIHINARI	SECTION 3 GER: BILL F LEADER: GET	NUMBERS A 31,028 42 505943	36/20/85	931	N.A	4	N.	¥ X	X X	Z.	N.	N.	X X	Y	N A	NA	¥Z.	<0.400	120091	2186205		6.452	0.339
STATUS: PRELIMINARI	ROJECT NAKE ROJECT HANA IELO GRUUP	SANFLE 3102 5659	06/20/85	913	¥2	¥	11 A	NA	A N	¥	×	N	Æ.	A K	AN	i.a	# # # # # # # # # # # # # # # # # # #	004*0>	180721	2186205			
•	22.0	31018 505937	6/24/85	151	Y .	¥ z	NA	NA	¥	4Z	¥.	XX	A	NA	NA NA	¥ Z	A H	<0.300	181021	2186806		•	
01/11/86		3101A 505936	6/24/85	136	N	A.	KA	N.	NA	N	¥ z	N.	Y	N	¥.	N.	Z.	<0.300	181021	2186606			
		31008 505931	06/20/85	1030	4 2	X	42	¥ X	× ×	¥ Z	X.	¥×	K.	KN	A N	e z	X	<0.40	181019	2186352			121
E ENGINEERING	6300 SAMPLES: ALL	3100A 505930	06/20/35	1017	¥K	K Z	A X	¥ x	X X	N.	NA	XX	NA	¥.	X	¥ X	¥	00 * 0>	181019	2186352		>14.3	
	FROJECT NUMBER 84936300 Field Group: 36172 Parameters: All Samp	STORE! #	NETHUD #		CHLORGET 98687	0 0-9/90) 0 0-9/90)	CHLORIDE 98689	9969		CHLORGETHAN 98692	S/6-0) UKDETHAN 94693	7	9969	0 0 0 0 0 0 0 0 0 0 0 0 0 0	CUG/G-DKT) 98697	(UG/G-DRY) 93699	TLENE 9870U		26286 (918)2/	U 14(SIP) 98393	98006 (\$2006 (59000
ENVIRONMENTAL SCIENCE	PROJECT N FIELD GRE PARAMETER	PARAMETERS	DATE	ITHE	IRANS-1,2-016	ETHYL BENZENE	NETHYLENE CHLORIDE	TETRACHLORUETHENE	TOLUENE (UG)	19191-181CHLE	LALAZ-TRICHLUKUE THAN	LECUEVE THENE	N-XYLENE	NIBK	DHOS CHO	CUGY BENZENE (UG/G	D-AND/OR P-XI	PCPMSQ2 UG/G-DRY	CUGROINATE, N/SCSTP)	COURDINATE, ETHISTP)	UNK634 (UG/G)	UNK542 (UG/G)	CETAIL BUTTER

ENVIRONNENTAL SCIENCE & ENGINEERING	LENCE & ENGI	NEERING		99/11/10		SIATUS: PRELIMINARY	ELIHINARY				
PROJECI NUM FIELD GROUP PARAMEJERS:	PROJECI NUMBER 84936300 FIELD GROUP: 36172 PARAKEJERS: ALL SAMPI	6300 SAMPLES: ALL			881	DJECT NAME OJECT MANA ELO GROUP	SECTION GER: BILL LEADER: GE	PRUJECT NAME SECTION 36 RMA PROJECT MANAGEK: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDULL	11009		
PARAMETERS	SIOAET	3100A 505930	31003 505931	3101A 505936	31018 505937	SAMPLE NU 31628 505942	SAMPLE NUMBERS 31G2A 31028 505942 505943	3103A 505948	31038 505y49	3104A 565554	31,243 5,3955
DATE	METHUD #	06/20/85	06/20/85	5874279	917479	06/20/85	99/02/90	06/20/85	06/20/85	36/32/90	\$6762793
IINE		101	1030	136	151	613	931	873	637	139	152
UNK635 (UG/G)	Ž8006	2.20	1.21			1.28	3.39		3.42	5.14	0.773
UNK593 (UG/G)	25006	2.20							•		
UNK609 (UG/G)	99006	90.94	•			\$0.1 ·	٠	1.06			•
UNK632 (UG/G)	\$9006 0	2.20	4.85			5.08	1.13	2.12		1.15	1.10
UNK543 (UG/6)	90006 0									C.115	
UNK579 (UG/G)	90043		1.09			0.728	1.13	0.743		655.0	2++°0
UNK544 (U6/6)	92006		2.43								
UNK604 (UG/G)	90061					3,12					
UNK546 (UG/G)	90058							21.5			
UNK548 (UG/G)	90029										>3.31
UNK629 (UG/G)	90062	¥.	NA			Z	N	47	NA	T .	<u>.</u>
UNK522 (UG/G)	\$1006										
UNKS17 (UG/G)	90012	N	¥.			A.S.	N	W.	¥ Z	A	er.
UNK513 (UG/G)	91106		* **=	1.11				``. :			
UnK523 (6676)	26006				4 1.42			•			
UNKS32 (UG/G)	07006				699"0 +	-					
UNK655 (UG/G)	9110										
UNK636 (UG/G)	90006			4 1.60	A 0.722						
(9/9n) Theywn	93107										
UNK654 (UG/G)	81106			4 0.565	A 0.342						
	•			-	~						

ENVIRONMENTAL SCIENCE & ENGINEERING	IENCE E ENGI	NEERING		01/11/86		STATUS: PRELIMINARY	ELIHINARY				
PROJECT NUM FIELD GRUUP PAKAMETERS:	PROJECT NUMBER 84936300 FIELD GROUP: 35172 PAKAHETERS: ALL SAMPL	6300 SAMPLES: ALL			REL	DJECT NAHE DJECT HANA ELD GROUP	SECTION GER: BILL LEADER: GE	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISTLER/BERGDOLL	1 7069		
PARAMETERS	STORET W	3100A 505930	31008 505931	3101A 505936	31016 505937	SAMPLE NU 3102A 5C5942	SAMPLE NUMBERS 3102A 3102B 5C5942 505943	3103A 565948	31038 505949	3104A 565954	31643 5u5955
DATE	NETHOD #	06/20/85	\$8/02/90	06/20/65 06/20/85 6/24/85		06/20/85	06/20/85	6/24/85 06/20/85 06/20/85 06/20/85 06/20/85 06/20/85 C6/2)/85	06/20/85	06/23/45	66723785
TIME		1017	1030	136	151	913	931	823	937	139	12.2
UAKS47 (UG/G)	90006				-						
UNK637 (U6/6)	69006			4 3.08							
UNK527 (66/6)	61006				* 6.547						
UNK614 (UG/G)	90070										
UNK538 (UG/G)	62116										
UNK610 (UG/G)	90124										

·	PROJECT NAME SCCTION 36 RHA PROJECT HANAGER: BILL FLASER FIELD GRCUP LEADER: GEISZLER/BERGBGLL												<i>.</i> •					`.	٠.					
ELIHIMARY	SECTION GER: BILL LEADER: GI	H3ERS BLK 505992	07/10/85	9	SO		ยหวง	X.	9	. 2.0	Z.						0.10							
STATUS: PRELIMINARY	DJECT NANE DJECT HANA ELD GRGUP	SANFLE NUMBERS BLK BLI 5 C5991 50	28/52/90	0	80	0	QCHB	RK	ی	2.0	A.X						<0.03	<0.500	<0.600	<2°00	***	00-9>	<0.500	<pre><0°200</pre>
•	883	8LK 5U5990	06/24/85.		0.5	. 0	QCMB	**	ف	2.0	<0.5	71	12	<16	34		<0.0>	<0.500	009*0>	<2.00	*** 00	*******	<0.500	<0.500
01/11/86		6LK 505982	7/10/85	0	20	•	4CM8	R	S	0*2	¥¥	N.	KX	¥	A.	N	NA							
		8LK 505981	\$875279	0	80	0	UCHB	**	ی	0°7	H.						. 44	- , , ,						
NEERING	6300 SAHPLES: ALL	8LK 505980	6/24/85	0	80	0	QCAB	æ	9	2.0	<0.0>	11	10	47	7.	(4.7	<0.0>	<0.90	<0.300	<0.400	<0.700	<1.00	<0.300	<0.300
E E ENGI	8493630 51.12 SAN:	STORET #	NETHOD #		11999	93758	99789	99789	300Z <i>t</i>	70320	0 0 0	99584	104	105 <u>2</u>	0 0 0 0 0	1003	11921	98356	96365	93364	98369	19886 -	90363	0 45986 - 9
ENVIRONMENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELO GROUP: 36172 PARAHETERS: ALL SAHP	PARANETERS	DATE	IINE	SAMPLE TYPE	SAMPLE DEPTHICH)	SITE TYPE 1	INSTALLATION CODE	SAMPLING TECHNIQUE	MOISTURECENET HID	CADMIUM, SED, CUG/6-	CR, SUIL (UG/G-DRY)	COPPER, SED LUG/6-	LEAD, SED (UG/G-DRY)	ZINC, SED (UG/6-DKY)	ARSENICASED (UG/6-	BRED CUG/G-	ALDRIN, SED (UG/6-	DIEL DRIN(UG/G-DRT)	DOT,PP*(UG/G-DRT)	ENDRIN (UG/G-DRY)	CHLORGANE, SEUCUG/6-	UNI 3 UDE 3PP*(16/6-0RY)	LA OXATHIANE (UG/G- 98649 Ory)

ENVIRONNENTAL SCIENCE	CIENCE & ENGINEERING	VEERING		98/11/10		STATUS: PRELIMINARY	ELIMINARY	
PROJECT NUMBER FIELD GROUP: 361 PARAMETERS: ALL	P: 36172 S: ALL SAMPI	6300 Samples: All			227	DJECT NAME DJECT MANA ELD GROUP	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GETSZLER/BERGOULL	
	STURET #	8LK 505980	B1K 505981	8LK 505982	8LK 505990	SAMPLE NUMBERS BLK 505991 50	HDERS BLK 5u5992	
DATE	METHUO #	6/24/85	98/52/9	7/10/85	06/24/85	06/25/85	07/10/85	
JIME		0	0	0	0	0	0 .	
DIMP (UG/G-DR1)	96645	<0.500			<3.00	<3.00		
DICHLGRYUS CUG/6	99996	<0.300			<0.300	<6.360	•	
-DRY) HEXCLCYYPENUT (UG/G-	93647	<1.00			<1 *00	<1.00		
DRY) HALATHION (UG/G-DRY)	98648	009°0>			<2.00	45. C0		
ISODRIN (UG/G-DRY)	649p6	<0.300			<0.00	009*0>	٠	
154 DITHIAKE (UG/G-	98650	<0.300			<2.30	<2.00		
DRY) DICYCLOPENTADIENE (U	0 98651	<0.300			00-9>	46.0U		
G/G-DRY) DBCP(NEMAGUN) (UG/G- 98652	93652	<0.00>			<00.00>			
DRY) P-CLPHENYLMETHYSULFT	0 0 0	<0.300			<0.300	<0.300		
LE(UG/G-D) P-CLPHENYLHETHYSULFO	93996 (005*0>			<1.00	<1.0ú		
NECUG/6-D) ATRAZINE (UG/6-DRY)	93655	<0.700			<0.500	<0.500		
SUPUNA (UG/G-DRY)	98656	<0.500			<0.900	<0°0>		
DANP (UG/G-DRY)	93657	<2.60	-		<1,00	<3. 00	•	
EIT PARATHIUN (UG/G-	98658	<0.100			<2.00	<2.00		
CARBON TETRACHLORIDE	08466							
CHLORUSENZENE CHLORUSENZENE	93631							
CHLUR OFORM	98682							
LOICHLERUETHANE	98683							
192-DICHLCRUETHANE	98684				•			
CUC/G-DKT) BICYCLGHEPIADIENE	98986							
(00/0-0x1)								

STATUS: PRELIMINARY	PROJECT NAME SECTION 36 RMA PROJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDOLL	SAMPLE NUMBERS BLK BLK 90 505991 505992	85 06/25/85 07/10/85	0 0		000*0> 00					
	٠	BLK 505990	9/5/90			00 +* 0>					
01/11/66		BLK 505982	7/10/85	0	-						
		81K 505981	6/25/85	C	:						
VEERING	6300 SAMPLES: ALL	8LK 505980	915719	0		<0.300					
ENVIRONHENTAL SCIENCE & ENGINEERING	PROJECT NUMBER 84936300 FIELD GROUP: 36172 PARAMETERS: ALL SAMPI	PARAMETERS STORET #	METHUD #	IINE		(UG/G-DRY) 0 PCPMSOZ UG/G-DKT 98703 0 COGRDINATE,N/S(SIP) 94392	CUORDINATE/E/N(STP) 94393	UNK634 (UG/G) 90686	UNK542 (UG/G) 90024	UNK608 (UG/G) 90065	3 '

36 RMA FRASER EISZLER/BERGEOLL												•					``.	٠.					
SECTION GER: BILL LEADER: G	MUERS BLK 505992	07/10/85	0																				
JECT NAME JECT HANA LD GROUP	SAMPLE NU BLK 5C5991	06/25/85	0	1.02																			
PRI	BLK 505990	06/24/85	0						0.612					•	908-0								
	8LK 505982	7/10/85	0																				
	BLK 505981	6/25/85	0				ē																
) PLES: ALL	BLK 505980	6/24/85	0														4 0.485	A U.818	4 0.557	▲ 0.370			
BLR 8493630(: 36172 All Sam	STORET #	NETHUD #		8006	90052	99006	\$8006 *	90025	90043	97006	19006	92076	62006	90082	\$1006 •	90012	90116	26006	02006	90119	96008	20106	90113
PROJECT NUM FIELD GROUP: PARAKETERS:	PARANETERS	DATE	ITHE	UNK635 (UG/G)	UNKS93 (CG/G)	UNK609 (UG/G)	UNK632 (UG/G)	UNK543 (UG/G)	UNK579 (UG/G)	(9/9n) \$55Xn	UNK604 (UG/G)	UNKS46 (UG/G)	UNK548 (UG/G)	UNK629 (UG/G)	UNK522 (UG/G)	UNKS17 (UG/G)	UNK513 (UG/G)	UNK523 (UG/G)	UNK532 (UG/G)	UNK655 (UG/G)	UNK636 (UG/G)	UNK641 (66/6)	UNK654 (UG/G)
	PROJECT NUMBER 84936300 FIELD GROUP: 36172 PARAMETERS: ALL SAMPLES: ALL FIELD GROUP LEADER: GEISZLER/DERGGOLL	34.R 84936300 1. 36172 ALL SAMPLES: ALL BLK BLK BLK BLK BLK STORET M 505980 505981 505982 50599	1. 36172 1. 36172 ALL SAMPLES: ALL BLK BLK BLK SIGRET M 505980 505981 505982 50599 HETHUD # 6724/85 6725765 7/10785 06/24/8	1. SAMPLES: ALL 1. SAMPLES: ALL 2. SIDRET M 505981 505982 50599 HETHUD # 6/24/85 6/25/85 7/10/85 06/24/8	36172 ALL SAMPLES: ALL ALL SAMPLES: ALL SIGRET # 505980 505981 505992 HETHUD # 6724/85 6725/85 7/10/85 06/24/8 90087	36172 ALL SAMPLES: ALL SIGNET W 505980 505981 505982 505998 HETHUD # 6/24/85 6/25/85 7/10/85 06/24/8 90087	36172 ALL SAMPLES: ALL SIGNET W 505960 505961 505962 50599 HETHUD # 6/24/85 6/25/65 7/10/85 06/24/8 90087 90052	36172 ALL SAMPLES: ALL SIGNET W 505980 505991 HETHUD # 6/24/85 6/25/85 7/10/85 06/24/8 90087 90086 90086	36172 ALL SAMPLES: ALL SIGNET W 505980 505981 505999 HETHUD # 6724/85 6725/85 7/10/85 06/24/8 90087 90086 90086 90086	36172 ALL SAMPLES: ALL SIGNET M 505980 505981 505982 505998 HETHUD # 6/24/85 6/25/85 7/10/85 06/24/8 90087 90086 90086 90086 90086 90086	343 12 341 2 ALL SAMPLES: ALL SIGRET # 505960 505981 505962 50599 HETHUD # 6/24/85 6/25/65 7/10/85 06/24/8 94087 94087 94086 94086 94086 94086 94086 94086	136172 ALL SAMPLES: ALL SIGNET # 505980 505981 505999 HETHUD # 6724785 7/10785 06/24/8 90087 90086 90086 90025 90043 90066 90066 90066 90066 90066 90066	1 36172 ALL SAMPLES: ALL SIGNET W 5059&0 5059&1 5059&2 50599 NETHUD # 6/24/85 6/25/65 7/10/85 06/24/8 99087 99086 99086 99086 99086 99086 99086 99086 99086 99086 99086	186 9436300 1 361 12 11 SAMPLES: ALL SIGRET # 505980 505981 505962 50599 HETHUD # 6/24/85 6/25/65 7/10/85 06/24/8 90087 90086 90086 90025 90026 90026 90026 90026	136172 15.36172 16.36172 17.36172 18.14 SIDRET # 505980 505981 505999 BLK BLK BLK BLK 505992 90066	SIGNET W SOS980 SOS981 SOS999 HETHUD # 6/24/85 6/25/85 7/10/85 06/24/8 90052 90056	14. 84936300 1. 36172 1. 36172 1. 36172 1. 36172 1. 36172 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 36176 1. 361776 1. 3617	11 SAMPLES: ALL 11 SAMPLES: ALL 12 SAMPLES: ALL 13 SIGRET # 505980 505981 505982 50599 14 SIGRET # 505980 505981 505982 505999 15 SIGRET # 505980 505981 505982 505999 16 SIGRET # 505980 505981 505982 505999 17 SIGRET # 505980 505981 505982 505999 18 SIGRET # 505980 505981 505982 18 SIGRET # 505980 505981 505992 18 SIGRET # 505980 505982 18 SIGRET # 505980 50	11. SAMPLES: ALL ALL SAMPLES: ALL SIGNET # \$05980 \$05981 \$05992 HETHUD # 6/24/85 6/25/85 7/10/85 06/24/8 90056 90066 90066 90066 90066 90066 90066 90066 90066 90066 90066 90066 90066 90072 90086 90087 90086 90086 90086 90087 90088 90087 90088 90087 90088 90087 90088 90087 90088	ALL SAMPLES: ALL ALL SAMPLES: ALL SIGNET # 505960 505981 505962 505999 HETHUD # 6/24/85 6/25/85 7/10/85 06/24/8 90084 90085 90086 90086 90086 90086 90086 90086 90086 90086 90087 90086	11. SAMPLES: ALL ALL SIGNET # 505960 505981 505982 505989 HETHUD # 6/24/85 6/25/85 7/10/85 06/24/8 90087 90086 90086 90086 90086 90086 90086 90086 90086 90087 90088 90088 90088 90088 90089 90089 90089 90089 90089 90089 90089	### 84936300 ##################################	### 84936300 ##################################

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el iminary	PRUJECT NAME SECTION 36 RMA PRUJECT MANAGER: BILL FRASER FIELD GROUP LEADER: GEISZLER/BERGDOLI	MBERS BLK 505992	07/10/85	0		•				
STATUS: PRELIMINARY	DJECT NAME DJECT MANA ELO GROUP	SAMPLE NUMBERS BLK 505991 505992	06/24/65 06/25/85 07/10/85	0						
	ZZZ	8LK 505990	06/24/65	0			٠			
99/11/10		81K 505982	7/10/85	0						
_		BLK 505981	6/25/85	0						
HEERING	6300 SAMPLES: ALL	8LK 505980	6/24/85	0						
IENCE E ENGII	PROJECT NUMBER 34936300 FIELD GROUP: 36172 PARANETEKS: ALL SAMPL	STORET #	NE THUD #		\$ 6006	69006 9	\$1006	90006	90123	90124
ENVIRUNMENTAL SCIENCE & ENGINEERING	PROJECT NUM FIELD GROUP: PARANETEKS:	PARAMETERS	DATE	TINE	UNK547 (UG/G)	UNK637 (UG/G)	UNK527 (UG/G)	UNK614 (UG/G)	UNK538 (UG/G)	UNKELO (UG/G)